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Published by Authority of the HON. JAMES A. MacKINNON, M.P.
Minister of Trade and Commerce

MC28-24-4-46

Price -
10 cents

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

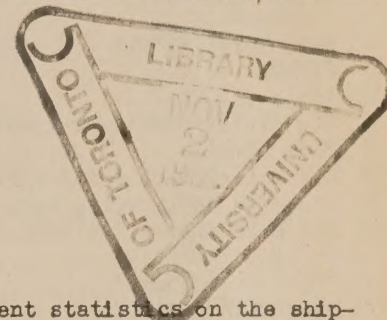
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MONTHLY REPORT

on

PRIMARY IRON AND STEEL IN CANADA.JANUARY and FEBRUARY, 1946

This report is the first of a regular monthly series to provide current statistics on the shipments of iron and steel shapes from Canada's steel mills.

During the war the Steel Control at Ottawa assembled very complete figures on a monthly basis on the supply and consumption of primary steel shapes, and this record was so valuable that a considerable demand arose for its continuance, in a slightly modified form, as part of the permanent statistical service of the Dominion Bureau of Statistics. Mr. W. H. Stoker, who was statistician for the Steel Control in the war years and is now with the Primary Iron and Steel Administration of the Wartime Prices and Trade Board, undertook, with the help of the industry, to carry out the preliminary work of planning the questionnaire, and he also agreed to supervise the compilations for a few months pending the transfer of the work to the Bureau.

The Steel Control also made a special study of the customs' invoices covering the imports into Canada of primary iron and steel in order that the import data might be compiled on the same basis as the domestic production and shipments. This survey is being continued by the Bureau and the details will be published each month in this series of reports.

The figures which are given in this report were compiled under the supervision of Mr. W. H. Stoker for publication by the Dominion Bureau of Statistics.

Shipments of primary shapes by Canadian steel mills totalled 243,245 net tons in January 1946 and 224,855 net tons in February.

Table 1 - PRODUCTION OF PIG IRON IN CANADA, JANUARY AND FEBRUARY, 1946

	January	February
	(Tons of 2,000 pounds)	
Basic	116,558	119,520
Foundry	16,255	14,567
Malleable	10,872	9,084
TOTAL	143,685	143,171

Table 2 - PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA, JANUARY AND FEBRUARY, 1946

	January		February	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	205,068	5,890	196,929	3,945
Electric	21,932	3,589	22,657	2,742
Total Ingots	227,000	9,479	219,586	6,687
Steel castings	6,710	1,434	6,338	1,282
TOTAL INGOTS AND CASTINGS	233,710	10,913	225,924	7,969

Table 3 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, JANUARY and FEBRUARY, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
	(Tons of 2,000 pounds)			
<u>January, 1946</u>				
Billets, etc., for forging	4,417	3,652	148	596
Other semi-finished shapes, not for re-rolling by makers	26,890	25,025	18	18
Structural shapes and piling	11,830	11,694	...	...
Plates	17,862	16,010	6	...
Rails	32,381	36,716	...	...
Tie plates and track material	5,221	5,851	...	...
Tool steel	148	139	145	165
Hot rolled bars for forging	5,072	5,065	2,487	3,154
Concrete reinforcing bars	3,548	3,594	...	...
Hot rolled bars for cold finishing	1,315	1,456	...	...
Other hot rolled bars	28,892	29,093	2,767	2,710
Pipes and tubes	18,918	18,237	...	...
Wire rods	22,576	21,124	46	33
Hot rolled black sheets	11,769	11,110	...	...
Cold reduced black sheets	2,406	2,406	...	...
Galvanized sheets	7,136	6,684	...	...
Steel castings - Made by ingot makers	4,548	4,654	1,381	1,243
Made in other foundries	2,073	1,808	53	22
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	32,570	30,864	120	122
TOTAL, ALL PRODUCTS	239,572	235,182	7,171	8,063
<u>February, 1946</u>				
Billets, etc., for forging	5,426	4,869	133	70
Other semi-finished shapes, not for re-rolling by makers	27,723	27,865	129	126
Structural shapes and piling	12,498	13,340	...	...
Plates	16,614	16,057	...	...
Rails	29,555	21,753	...	...
Tie plates and track material	8,214	9,053	...	...
Tool steel	174	167	162	149
Hot rolled bars for forging	4,707	4,129	2,043	1,626
Concrete reinforcing bars	3,297	3,151	...	...
Hot rolled bars for cold finishing	664	673	4	4
Other hot rolled bars	30,596	28,900	1,726	1,577
Pipes and tubes	12,730	12,927	...	...
Wire rods	21,782	23,090	19	9
Hot rolled black sheets	11,338	11,566	...	...
Cold reduced black sheets	2,048	2,048	...	...
Galvanized sheets	7,121	6,805	...	...
Steel castings - Made by ingot makers	4,211	4,238	1,256	1,165
Made in other foundries	2,102	1,579	26	42
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	28,466	27,783	99	94
TOTAL, ALL PRODUCTS	229,266	219,993	5,597	4,862

Table 4 - PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SUBDIVIDED ACCORDING TO PRINCIPAL CONSUMING INDUSTRIES, JANUARY AND FEBRUARY, 1946

Program	January		February	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	4,500	4,578	4,557	2,050
Agricultural, including farm machinery	10,207	82	7,653	163
Building construction	11,793	16	11,941	34
Containers industry	13,966	11	13,013	5
Machinery and tools	6,200	595	7,589	634
Merchant trade products	20,643	54	24,291	51
Mining, lumbering, etc.	7,365	434	5,165	511
National defence	117	1	248	1
Pressing, forming and stamping	6,469	101	7,739	36
Public works and utilities	4,724	31	880	57
Railway operating	35,074	369	33,399	211
Railway cars and locomotives	15,136	828	15,039	18
Shipbuilding	4,072	32	4,473	21
Miscellaneous and unclassified	4,387	42	1,129	75
Sub-total	144,653	7,174	137,116	3,847
Wholesalers and warehouses	25,327	392	23,851	128
Producers' interchange	32,227	140	38,312	321
Direct export (a) To British Empire	18,712	15	16,326	155
(b) To other countries	14,263	342	4,388	411
TOTAL SHIPMENTS	235,182	8,063	219,993	4,862

NOTE: The above figures include steel castings shipped by all foundries.

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, FEBRUARY 1946 and TWO MONTHS ENDED FEBRUARY, 1946

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in Net Tons of 2,000 pounds)							
Pig iron - Foundry	U.S.A.	704	...	...	868	...	..
Ingots	U.S.A.	98	...	...	172	...	...
Blooms, billets and slabs	U.S.A.	...	1	...	42	6	...
Bars -							
Hot rolled	U.S.A.	1,470	110	26.0	5,402	239	27.6
	England	85	...	1.9	85	2	6.5
	Sweden	...	...	...	3	...	...
For agricultural implements	U.S.A.	256	...	...	582	...	...
Rounds over 4 7/8", squares over 4"	U.S.A.	94	13	...	336	13	...
	England	78	...	...	78	...	...
Angles, channels, etc.	U.S.A.	196	...	.1	511	10	.1
Sash or casement sections	U.S.A.	89	...	...	240	...	...
Cold finished	U.S.A.	468	56	2.1	1,281	81	8.4
	England	...	...	...	...	...	3.5
Tool steel	U.S.A.	8	17	...	23	60	...
	England	4	26	...	11	50	...
	Sweden	...	...	...	...	7	...
Structurals	U.S.A.	1,545	...	...	8,057	...	...
Plates - 78" and under	U.S.A.	254	1	13.0	411	10	19.2
Over 78" and under 100"	U.S.A.	103	...	...	139	...	...
Over 100"	U.S.A.	51	...	...	338	...	...
Flanged, dished or curved ...	U.S.A.	13	...	...	18	...	...
Boiler, pulp digesters, etc.	U.S.A.	38	...	...	104	...	...
Chequered or surface pattern.	U.S.A.	188	...	...	306	...	...
For agricultural implements..	U.S.A.	...	...	...	82	...	...
Sheets - Silicon .075 or more	U.S.A.	...	607	...	...	2,125	...
Galvanized	U.S.A.	253	...	...	668	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, FEBRUARY 1946 and TWO MONTHS ENDED FEBRUARY 1946
(Continued)

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less

(All figures in Net Tons of 2,000 pounds)

Sheets -

Hot rolled -

18 gauge and heavier	U.S.A.	2,455	...	...	8,855	...	...
Lighter than 18 gauge	U.S.A.	255	...	...	1,106	...	...
For hollow ware (vitreous enamel)	U.S.A.	328	...	...	1,056	...	...
5¢ per pound and over	U.S.A.	4	...	...	23	3	...
Corrugated	U.S.A.	...	...	...	44	...	...
Coated with paint, asphaltum, vitreous enamel, etc.	U.S.A.	1	...	...	5	...	...
Shaped for agricultural implements	U.S.A.	...	...	...	33	...	...
For saws	U.S.A.	13	67	...	15	144	...
Stainless	U.S.A.	...	...	2.9	...	...	20.7
	England	...	...	.1	...	...	3.7

Cold rolled -

18 gauge and heavier	U.S.A.	567	...	...	1,682	...	...
Lighter than 18 gauge	U.S.A.	1,815	...	...	4,894	...	...
For hollow ware (vitreous enamel)	U.S.A.	69	...	...	136	...	...
5¢ per pound and over	U.S.A.	1	...	...	1	...	...
Black plate (tin mill)	U.S.A.	1,648	...	...	3,057	...	...
For heating apparatus	U.S.A.	...	...	...	25	...	...
For saws	Sweden	...	1	...	4	1	...
For skelp	U.S.A.	4	...	...	366	...	...
Stainless	U.S.A.	83.3	153.0
	England	8.6	10.4

Black plate - For tinning

U.S.A.	549	5,261
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Tin plate primes

U.S.A.	583	1,120
England	15	23

Terne plate - Long

U.S.A.	74	210
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Short

U.S.A.	1,455	3,010
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Strip - Hot rolled -

18 gauge and heavier

U.S.A.	437	10	...	1,851	10	...
Sweden	2

Lighter than 18 gauge

U.S.A.	132	28	...	198	332	...
Sweden	...	...	...	12	...	...

Strip - Hot rolled -

For cold rolling

U.S.A.	220	1,804
--------	-----	-----	-----	-------	-----	-----

For shoe and corset laces,
buckles, ball bearings, etc.

U.S.A.	99
--------	-----	-----	-----	----	-----	-----

5¢ per pound and over

U.S.A.	1	13	14	...
--------	---	-----	-----	----	----	-----

Painted

U.S.A.	300	694
--------	-----	-----	-----	-----	-----	-----

For saws

U.S.A.	22	2	...	23	31	...
--------	----	---	-----	----	----	-----

For motor vehicles

U.S.A.	340	684
--------	-----	-----	-----	-----	-----	-----

For barrel hoops

U.S.A.	44	44
--------	----	-----	-----	----	-----	-----

Stainless

U.S.A.	2.0	2.5
--------	-----	-----	-----	-----	-----	-----

Cold rolled -

18 gauge and heavier

U.S.A.	241	644
--------	-----	-----	-----	-----	-----	-----

Lighter than 18 gauge

U.S.A.	386	674
--------	-----	-----	-----	-----	-----	-----

For barrel hoops

U.S.A.	157
--------	-----	-----	-----	-----	-----	-----

5¢ per pound and over

U.S.A.	1	5
--------	---	-----	-----	---	-----	-----

For shoe and corset laces,
etc.

U.S.A.	26	65
--------	----	-----	-----	----	-----	-----

Painted

U.S.A.	22	35
--------	----	-----	-----	----	-----	-----

For butt hinges

U.S.A.	1
--------	-----	-----	-----	---	-----	-----

For saws

Sweden	8	3	...	9	3	...
U.S.A.	6	6	...	6	7	...

For motor vehicles

U.S.A.	1
--------	-----	-----	-----	---	-----	-----

For pipes and tubes

U.S.A.	48
--------	-----	-----	-----	----	-----	-----

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, FEBRUARY 1946 and TWO MONTHS ENDED FEBRUARY 1946
(Concluded)

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in Net Tons of 2,000 pounds)							
Strip - Cold rolled (Con.) -							
Stainless	U.S.A.	...	...	38.1	...	...	155.7
	England	...	...	.6	...	...	.6
Galvanized strip	U.S.A.	363	...	...	657	...	...
Skalp - Over 14" wide	U.S.A.	831	...	...	1,540	...	...
Under 14" wide	U.S.A.	1,170	...	...	12,867	...	...
Pipe - Cast	U.S.A.	...	...	...	12	...	...
Pipes and tubes -							
Boiler and pulp mill digesters	U.S.A.	551	6	...	1,287	9	...
Bedstead	U.S.A.	95	...	...	96	...	...
Seamless	U.S.A.	299	7	4.6	870	14	15.8
	England	2	...	.8	23	3	2.9
Wrought - More than 10½" diameter ..	U.S.A.	76	...	...	162	...	...
Under 10½" diameter	U.S.A.	2,632	...	.2	4,757	...	2.0
Tubing - Not over ½" diameter	U.S.A.	1	...	...	13	...	...
Casing	U.S.A.	113	...	...	488	...	...
Fittings and couplings	U.S.A.	131	...	.4	205	...	.4
Wire rope	U.S.A.	1	...	...	39	...	...
	England	3	...	...	13	...	...
Wire - For wire rope	U.S.A.	497	...	...	1,079	...	.6
	England	48	...	...	680	...	...
For fencing	U.S.A.	...	...	...	254	...	...
For corset laces, steels and stays	U.S.A.	15	...	...	29	...	...
Netting	U.S.A.	78	...	...	109	...	...
All other	U.S.A.	66	...	.5	402	1	.5
Wire rods	U.S.A.	6	...	...	47	...	...
Welding rods	U.S.A.	21	9	3.7	26	12	8.6
Castings - For agricultural implements	U.S.A.	126	...	...	210	...	...
For ingots moulds	U.S.A.	92	...	...	548	...	...
Malleable	U.S.A.	106	...	...	288	...	...
	England	2	...	...	2	...	...
Non-malleable	U.S.A.	255	...	...	461	...	...
Steel	U.S.A.	23	6	...	94	11	1.5
For railway vehicles	U.S.A.	46	...	...	223	...	...
Semi-finished piston	U.S.A.	16	...	...	18	...	...
Rolls	U.S.A.	126	34	...	346	196	...
Stainless	U.S.A.	...	...	4.9	...	...	4.9
Forgings	England	...	...	...	1	29	...
	U.S.A.	232	13	...	330	14	...
Wheels - Cast iron	U.S.A.	49	...	...	49	...	...
Pressed	England	135	...	...	621	...	...
	U.S.A.	6	...	...	6	...	...
Tires - Steel	U.S.A.	1,002	...	...	1,748	...	...
	England	107	...	...	253	64	...
Axles - For railway vehicles	U.S.A.	84	...	...	112	...	...
For all vehicles other than railway	U.S.A.	132	...	...	312	...	...
Rails - 60 pounds and under	U.S.A.	...	...	...	...	...	...
Over 60 pounds and under 100 pounds	U.S.A.	60	...	...	273	...	...
Grooved - electric tramways ..	U.S.A.	71	...	...	370	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	142	157
Intersections, switches, frogs	U.S.A.	4	10

41-001

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MONTHLY REPORT

on

PRIMARY IRON AND STEEL IN CANADA

MARCH, 1946

Shipments of primary shapes by Canadian steel mills totalled 254,015 net tons in March compared with 224,855 tons in February and 243,245 tons in January. The March total included 37,564 tons of semi-finished shapes; 12,297 tons structurals; 18,766 tons plates; 31,237 tons rails; 10,338 tons track materials; 48,558 tons bars; 9,336 tons pipes and tubes; 25,764 tons wire rods; 14,448 tons black sheets; 6,264 tons galvanized sheets; 455 tons tool steel; 7,984 tons castings, and 30,844 tons other shapes.

Of the March shipments, 55,492 tons went direct to railways and railway car shops; 25,097 to merchant trade products; 16,595 to building construction; 15,431 to the containers industry; 11,831 tons to agricultural equipment; 7,764 to the automotive industry; 7,710 to machinery plants; 4,499 to ship-building; 7,609 to mining, lumbering, etc., and 4,255 tons to miscellaneous industries. Wholesalers and warehousing accounted for 24,979 tons, producers' interchange for 49,359 tons and exports for 15,844 tons.

Table 1 - PRODUCTION OF PIG IRON IN CANADA, MARCH AND YEAR TO DATE, 1946

	March	Year to Date
	(Tons of 2,000 pounds)	
Basic	124,477	360,555
Foundry	15,892	46,714
Malleable	17,680	37,636
TOTAL	158,049	444,905

Table 2 - PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA, MARCH AND YEAR TO DATE, 1946

	March		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	205,778	3,606	607,775	13,441
Electric	26,609	4,596	71,198	10,927
Total Ingots	232,387	8,202	678,973	24,368
Steel castings	7,173	1,355	20,221	4,071
TOTAL INGOTS AND CASTINGS	239,560	9,557	699,194	28,439

Table 3 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, MARCH AND YEAR TO DATE, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
(Tons of 2,000 pounds)				
<u>March, 1946</u>				
Billets, etc., for forging	4,566	6,439	86	308
Other semi-finished shapes, not for re-rolling by makers	27,286	30,762	4	5
Structural shapes and piling	11,043	12,297	...	...
Plates	19,576	18,766	...	...
Rails	29,179	31,237	...	...
Tie plates and track material	9,287	10,388	...	...
Tool steel	287	240	215	215
Hot rolled bars for forging	5,512	5,789	1,052	1,561
Concrete reinforcing bars	5,000	4,792	...	...
Hot rolled bars for cold finishing	830	875	2	2
Other hot rolled bars	32,088	33,387	2,154	2,152
Pipes and tubes	5,222	9,396	...	...
Wire rods	24,887	25,759	3	5
Hot rolled black sheets	14,950	12,630	...	...
Cold reduced black sheets	1,818	1,818	...	...
Galvanized sheets	5,718	6,264	...	...
Steel castings - Made by ingot makers	4,764	4,854	1,462	1,349
Made in other foundries	2,234	1,733	54	48
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	30,712	30,699	128	145
TOTAL, ALL PRODUCTS	234,959	248,225	5,160	5,790

Three Months Ended March, 1946

Billets, etc., for forging	14,409	15,010	367	974
Other semi-finished shapes, not for re-rolling by makers	81,899	83,652	151	149
Structural shapes and piling	35,371	37,331	...	...
Plates	54,052	50,833	6	...
Rails	91,115	89,756	...	...
Tie plates and track material	22,722	25,292	...	...
Tool steel	609	546	522	529
Hot rolled bars for forging	15,291	14,983	5,582	6,341
Concrete reinforcing bars	11,845	11,537	...	...
Hot rolled bars for cold finishing	2,809	3,004	6	6
Other hot rolled bars	91,576	91,380	6,647	6,439
Pipes and tubes	36,870	40,560	...	...
Wire rods	69,245	69,973	68	47
Hot rolled black sheets	38,057	35,306	...	...
Cold reduced black sheets	6,272	6,272	...	...
Galvanized sheets	19,975	19,753	...	...
Steel castings - Made by ingot makers	13,523	13,746	4,099	3,757
Made in other foundries	6,409	5,120	133	112
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	91,748	89,346	347	361
TOTAL, ALL PRODUCTS	703,797	703,400	17,928	18,715

Table 4 - PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SUBDIVIDED ACCORDING TO PRINCIPAL CONSUMING INDUSTRIES, MARCH AND YEAR TO DATE, 1946

Industry	March		Three Months Ended March	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	5,056	2,608	14,113	9,236
Agricultural, including farm machinery	11,673	158	29,533	403
Building construction	16,529	66	40,263	116
Containers industry	15,424	7	42,403	23
Machinery and tools	7,040	670	20,829	1,899
Merchant trade products	25,079	18	70,013	103
Mining, lumbering, etc.	7,024	585	19,554	1,530
National defence	44	...	409	2
Pressing, forming and stamping	7,485	175	21,693	312
Public works and utilities	1,467	89	7,071	177
Railway operating	40,066	315	108,539	895
Railway cars and locomotives	14,793	308	44,968	1,154
Shipbuilding	4,480	19	13,025	72
Miscellaneous and unclassified	2,591	64	8,107	181
Sub-total	158,751	5,082	440,520	16,103
Wholesalers and warehouses	24,312	167	73,990	687
Producers' interchange	49,328	31	119,867	492
Direct export (a) To British Empire	8,575	12	43,613	182
(b) To other countries	6,759	498	25,410	1,251
TOTAL SHIPMENTS	248,225	5,790	703,400	18,715

NOTE: The above figures include steel castings shipped by all foundries.

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MARCH AND YEAR TO DATE, 1946

Commodity	Country of Origin	March			Three Months Ended March		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in Net Tons of 2,000 pounds)							
Pig Iron -							
Foundry	U.S.A.	1,161	...	...	2,029	...	...
Malleable	U.S.A.	522	...	...	522	...	...
Ingots	U.S.A.	199	...	...	371	...	...
Blooms, billets and slabs	U.S.A.	...	...	...	42	6	...
Bars -							
Hot rolled	U.S.A.	2,462	446	2.6	7,864	685	30.2
	England	59	19	5.3	144	21	12.3
	Sweden	...	...	...	3	...	...
For agricultural implements	U.S.A.	877	...	...	1,459	...	...
Rounds over 4 7/8", squares over 4"	U.S.A.	28	9	...	364	22	...
	England	19	...	...	97	...	...
Angles, channels, etc.	U.S.A.	435	...	...	946	10	0.1
Sash or casement sections	U.S.A.	69	...	...	309	...	...
Cold finished	U.S.A.	589	1	2.5	1,870	82	10.9
	England	...	...	3.0	...	...	6.5
Tool steel	U.S.A.	9	49	...	32	109	...
	England	13	34	...	24	84	...
	Sweden	...	...	...	...	7	...
Structurals	U.S.A.	3,824	...	...	11,881	...	...
Plates -							
78" and under	U.S.A.	588	...	8.5	999	10	27.7
Over 78" and under 100"	U.S.A.	1,514	...	...	1,653	...	...
Over 100"	U.S.A.	10	...	...	398	...	...
Flanged, dished or curved	U.S.A.	7	...	...	25	...	...
Boiler, pulp digesters, etc.	U.S.A.	21	1	...	125	1	...
Chequered or surface pattern	U.S.A.	94	...	...	400	...	...
For agricultural implements	U.S.A.	10	...	...	92	...	...
Stainless	England	...	...	5.0	...	...	5.0

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MARCH AND YEAR TO DATE, 1946 - (Continued)

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MARCH AND YEAR TO DATE, 1940 - (Continued)								
Commodity	Country of Origin	March			Three Months Ended March			
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less	
(All figures in Net Tons of 2,000 pounds)								
Sheets -								
Silicon .075 or more	U.S.A.	...	1,373	...	...	5,498	...
Galvanized	U.S.A.	329	...	...	997	...	...
Hot rolled -								
18 gauge and heavier	U.S.A.	4,402	...	...	13,257	...	...
Lighter than 18 gauge	U.S.A.	50	...	...	1,156	...	...
For hollow ware (vitreous enamel) ..	U.S.A.	511	...	...	1,567	...	...
5¢ per pound and over	U.S.A.	4	...	...	27	3	...
Corrugated	U.S.A.	29	...	...	73	...	...
Coated with paint, asphaltum, vitre- ous enamel, etc.	U.S.A.	33	...	...	38	...	...
Shaped for agricultural implements..	U.S.A.	...	...	...	33	...	...
For saws	U.S.A.	46	...	...	61	144	...
Stainless	U.S.A.	...	...	6	...	...	26.7
	England	...	...	13.8	...	...	17.5
Cold rolled -								
18 gauge and heavier	U.S.A.	414	...	...	2,096	...	...
Lighter than 18 gauge	U.S.A.	1,885	...	...	6,779	...	...
For hollow ware (vitreous enamel) ..	U.S.A.	163	...	...	299	...	...
5¢ per pound and over	U.S.A.	...	...	...	1	...	...
Black plate (tin mill)	U.S.A.	1,492	...	...	4,549	...	...
For heating apparatus	U.S.A.	...	...	...	25	...	...
For saws	U.S.A.	3	...	...	3	...	...
	Sweden	...	...	...	4	1	...
For skelp	U.S.A.	219	...	...	585	...	...
Stainless	U.S.A.	...	...	86.3	...	...	239.3
	England	...	...	1.6	...	...	12.0
Black plate -								
For tinning	U.S.A.	722	...	...	3,983	...	...
Tin plate -								
Primes	U.S.A.	445	...	...	1,565	...	...
	England	47	...	...	70	...	...
Seconds	England	8	...	...	8	...	...
Waste waste	U.S.A.	29	...	...	29	...	...
Electrolytic - Primes	U.S.A.	5	...	...	5	...	...
Terne plate -								
Long	U.S.A.	212	...	...	422	...	...
Short	U.S.A.	1,109	...	...	4,119	...	...
Strip -								
Hot rolled -								
18 gauge and heavier	U.S.A.	1,040	...	...	2,891	10	...
	Sweden	...	...	...	2	...	...
Lighter than 18 gauge	U.S.A.	339	...	...	537	332	...
	Sweden	...	...	...	12	...	...
For cold rolling	U.S.A.	125	...	...	1,929	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	3	...	...	102	...	...
5¢ per pound and over	U.S.A.	1	...	...	14	14	...
Painted	U.S.A.	323	...	...	1,017	...	...
For saws	U.S.A.	16	6	...	39	37	...	
For motor vehicles	U.S.A.	384	...	...	1,068	...	...
For barrel hoops	U.S.A.	...	...	...	44	...	...
Stainless	U.S.A.	...	...	...	...	...	2.5
Silicon .075 or more	U.S.A.	...	76	...	...	76	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MARCH AND YEAR TO DATE, 1946 - (Continued)

Commodity	Country of Origin	March			Three Months Ended March		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less

(All figures in Net Tons of 2,000 pounds)

Strip -							
Cold rolled -							
18 gauge and heavier	U.S.A.	119	...	...	763	...	...
Lighter than 18 gauge	U.S.A.	351	...	...	1,005	...	...
	Sweden	1	...	...	1	...	...
For barrel hoops	U.S.A.	8	...	...	165	...	...
5¢ per pound and over	U.S.A.	...	...	...	5	...	...
For shoe and corset laces, etc.	U.S.A.	19	...	...	84	...	...
Painted	U.S.A.	13	...	...	48	...	...
For butt hinges	U.S.A.	...	...	...	1	...	...
For saws	Sweden	...	3	...	9	6	...
	U.S.A.	1	6	...	7	13	...
For motor vehicles	U.S.A.	...	...	...	1	...	...
For pipes and tubes	U.S.A.	39	...	...	87	...	...
Stainless	U.S.A.	...	...	66.5	...	...	222.2
	England	...	...	1.0	...	...	1.6
Galvanized strip	U.S.A.	351	...	...	1,008	...	...
Skelp -							
Over 14" wide	U.S.A.	...	...	...	1,540	...	...
Under 14" wide	U.S.A.	590	...	...	13,457	...	...
Pipe -							
Cast	U.S.A.	...	...	...	12	...	...
Boiler and pulp mill digesters	U.S.A.	492	...	0.1	1,779	9	0.1
Bedstead	U.S.A.	24	...	...	120	...	...
Seamless	U.S.A.	324	5	3.6	1,194	19	19.4
	England	19	3	2.3	42	6	5.2
Wrought -							
More than 10½" diameter	U.S.A.	35	...	...	197	...	...
Under 10½" diameter	U.S.A.	322	...	4.3	5,079	...	6.3
	England	1	...	...	1	...	...
Tubing -							
Not over ½" diameter	U.S.A.	1	...	...	14	...	...
Casing	U.S.A.	228	...	...	716	...	...
Fittings and couplings	U.S.A.	114	...	1.0	319	...	1.4
Wire rope							
	U.S.A.	5	...	...	44	...	...
	England	...	...	...	13	...	...
Wire -							
For wire rope	U.S.A.	324	...	...	1,403	...	0.6
	England	214	...	...	894	...	...
For fencing	U.S.A.	20	...	...	274	...	...
For corset laces, steals and stays ...	U.S.A.	13	...	...	42	...	...
Netting	U.S.A.	25	...	...	134	...	...
	England	7	...	...	7	...	...
All other	U.S.A.	132	...	.5	534	1	1
Wire rods	U.S.A.	67	...	...	114	...	...
Welding rods	U.S.A.	9	4	9.1	35	16	17.7
Castings -							
For agricultural implements	U.S.A.	227	...	...	437	...	...
For ingots moulds	U.S.A.	1,487	...	...	2,035	...	...
Malleable	U.S.A.	106	...	...	394	...	...
	England	...	...	...	2	...	...
Non-malleable	U.S.A.	183	...	...	644	...	...
Steel	U.S.A.	23	...	...	117	11	1.5
For railway vehicles	U.S.A.	1	...	...	224	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MARCH AND YEAR TO DATE, 1946 - (Concluded)

Commodity	Country of Origin	March			Three Months Ended March		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in Net Tons of 2,000 pounds)							
Castings (Con.) -							
Semi-finished piston	U.S.A.	8	...	...	26	...	...
Rolls	U.S.A.	182	25	...	528	221	...
Stainless	U.S.A.	...	...	5.3	...	...	10.2
Forgings	England	...	...	...	1	29	...
	U.S.A.	97	29	.5	427	43	.5
Wheels -							
Cast iron	U.S.A.	42	...	...	91	...	...
Pressed	England	...	...	...	621	...	...
	U.S.A.	...	...	...	6	...	...
Tires -							
Steel	U.S.A.	526	...	...	2,274	...	...
	England	...	...	...	253	64	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	112	...	...
For all vehicles other than railway ..	U.S.A.	...	...	...	312	...	...
Rails -							
60 pounds and under	U.S.A.	37	...	...	37	...	...
Over 60 pounds and under 100 pounds ..	U.S.A.	738	...	...	1,011	...	...
Grooved - electric tramways	U.S.A.	338	...	...	708	...	...
Track material -							
Angle bars, tie plates, rail joints ..	U.S.A.	104	...	...	261	...	...
Intersections, switches, frogs	U.S.A.	...	...	...	10	...	...

41-001

Published by Authority of the HON. JAMES A. MACKINNON, M.P.
Minister of Trade and Commerce

MC28-12-6-46

Price -
10 centsDEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

Dominion Statistician:

Herbert Marshall, B.A., F.S.S.

MONTHLY REPORT

on

PRIMARY IRON AND STEEL IN CANADAAPRIL, 1946

Shipments of primary shapes by Canadian steel mills totalled 248,381 net tons in April compared with 254,015 tons in March and 224,855 tons in February. The April total included 31,065 tons of semi-finished shapes; 11,214 tons structurals; 19,066 tons plates; 36,166 tons rails; 7,299 tons track materials; 44,667 tons bars; 11,979 tons pipes and tubes; 25,103 tons wire rods; 14,868 tons black sheets; 6,126 tons galvanized sheets; 351 tons tool steel; 8,251 tons castings, and 32,228 tons other shapes.

Of the April shipments, 63,682 tons went direct to railways and railway car shops; 7,671 tons to pressing, forming and stamping plants; 22,286 to merchant trade products; 14,851 to building construction; 15,181 to the containers industry; 6,858 tons to agricultural equipment; 7,874 to the automotive industry; 7,960 to machinery plants; 4,925 to shipbuilding; 5,403 to mining, lumbering, etc., and 5,930 tons to miscellaneous industries. Wholesalers and warehousing accounted for 24,030 tons, producers' interchange for 47,221 tons, and exports for 14,516 tons.

Table 1 - PRODUCTION OF PIG IRON IN CANADA, APRIL AND YEAR TO DATE, 1946

	April		Year to Date	
			(Tons of 2,000 pounds)	
Basic	119,557		480,112	
Foundry	12,223		58,824	
Malleable	10,460		48,096	
TOTAL	142,240		587,032	

Table 2 - PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA, APRIL AND YEAR TO DATE, 1946

	April		Year to Date	
	Carbon	Alloy	Carbon	Alloy
(Tons of 2,000 pounds)				
Steel ingots - Open hearth	199,317	7,850	807,092	21,291
Electric	26,995	5,301	98,193	16,228
Total Ingots	226,312	13,151	905,285	37,519
Steel castings	6,864	1,192	27,085	5,263
TOTAL INGOTS AND CASTINGS	233,176	14,343	932,370	42,782

Table 3 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, APRIL AND YEAR TO DATE, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
(Tons of 2,000 pounds)				
<u>APRIL, 1946</u>				
Billets, etc., for forging	4,827	4,460	494	236
Other semi-finished shapes, not for re-rolling by makers	25,495	26,100	212	209
Structural shapes and piling	11,778	11,214	...	...
Plates	19,734	19,066	...	...
Rails	30,602	36,166	...	...
Tie plates and track material	7,876	7,299	...	...
Tool steel	159	155	221	196
Hot rolled bars for forging	7,076	5,900	2,580	2,084
Concrete reinforcing bars	3,974	3,969	...	...
Hot rolled bars for cold finishing	1,351	1,265	...	...
Other hot rolled bars	31,368	29,552	2,425	1,897
Pipes and tubes	12,747	11,979	...	...
Wire rods	24,096	25,086	...	17
Hot rolled black sheets	14,793	13,660	...	...
Cold reduced black sheets	1,208	1,208	...	...
Galvanized sheets	6,991	6,126	...	...
Steel castings - Made by ingot makers	4,682	4,690	1,380	1,242
Made in other foundries	1,984	2,232	21	37
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	30,787	32,131	126	95
TOTAL ALL PRODUCTS	241,528	242,308	7,459	6,073
<u>Four Months Ended April, 1946</u>				
Billets, etc., for forging	19,236	19,470	861	1,270
Other semi-finished shapes, not for re-rolling by makers	107,394	109,752	363	358
Structural shapes and piling	47,149	48,545	...	...
Plates	73,786	69,899	6	...
Rails	121,717	125,922	...	...
Tie plates and track material	30,598	32,591	...	...
Tool steel	768	701	743	725
Hot rolled bars for forging	22,367	20,883	8,162	8,425
Concrete reinforcing bars	15,819	15,506	...	...
Hot rolled bars for cold finishing	4,160	4,269	6	6
Other hot rolled bars	122,944	120,932	9,072	8,336
Pipes and tubes	49,617	52,539	...	...
Wire rods	93,341	95,059	68	64
Hot rolled black sheets	52,850	48,966	...	...
Cold reduced black sheets	7,480	7,480	...	...
Galvanized sheets	26,966	25,879	...	...
Steel castings - Made by ingot makers	18,205	18,436	5,479	4,999
Made in other foundries	8,393	7,402	154	149
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	122,535	121,477	473	456
TOTAL ALL PRODUCTS	945,325	945,708	25,387	24,788

Table 4 - PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SUBDIVIDED ACCORDING TO PRINCIPAL CONSUMING INDUSTRIES, APRIL AND YEAR TO DATE, 1946

Industry	April		Four Months Ended April	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	4,529	3,345	18,642	12,581
Agricultural, including farm machinery	6,728	130	36,261	533
Building construction	14,821	30	55,084	146
Containers industry	15,171	10	57,574	33
Machinery and tools	7,468	492	28,297	2,391
Merchant trade products	22,241	45	92,254	148
Mining, lumbering, etc.	4,844	559	24,398	2,089
National defence	82	...	491	2
Pressing, forming and stamping	7,597	74	29,290	386
Public works and utilities	3,417	21	10,488	198
Railway operating	43,138	146	151,677	1,041
Railway cars and locomotives	20,251	147	65,219	1,301
Shipbuilding	4,902	23	17,927	95
Miscellaneous and unclassified	2,342	61	10,449	242
Sub-total	157,531	5,083	598,051	21,186
Wholesalers and warehouses	23,848	182	97,838	869
Producers' interchange	46,992	229	166,859	721
Direct export (a) To British Empire ..	9,477	198	53,090	380
(b) To other countries..	4,460	381	29,870	1,632
TOTAL SHIPMENTS	242,308	6,073	945,708	24,788

NOTE: The above figures include steel castings shipped by all foundries.

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, APRIL AND YEAR TO DATE, 1946

		Country of Origin	April			Four Months Ended April		
Commodity			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in Net Tons of 2,000 pounds)								
Pig Iron -								
Foundry		U.S.A.	1,335	...	...	3,364	...	...
Malleable		U.S.A.	1,140	...	...	1,662	...	...
Ingots		U.S.A.	146	...	...	517	...	...
Blooms, billets and slabs		U.S.A.	140	...	...	182	6	...
Bars -								
Hot rolled		U.S.A.	3,361	522	6.3	11,225	1,207	36.5
		England	46	1	.2	190	22	12.5
		Sweden	57	...	...	60	...	...
For agricultural implements		U.S.A.	1,180	1	...	2,639	1	...
Rounds over 4 7/8", squares over 4"		U.S.A.	83	3	...	447	25	...
		England	...	...	...	97	...	...
Angles, channels, etc.		U.S.A.	295	...	.1	1,241	10	1.2
Sash or casement sections		U.S.A.	152	...	...	461	...	...
Cold finished		U.S.A.	484	7	2.5	2,354	89	13.4
		England	...	...	...	...	...	6.5
Tool steel		U.S.A.	19	46	...	51	155	...
		England	4	23	...	28	107	...
		Sweden	...	...	...	...	7	...
Structurals		U.S.A.	6,921	23	...	18,802	23	...
		England	10	...	...	10	...	...
Plates -								
78" and under		U.S.A.	774	15	18.3	1,773	25	46.0
Over 78" and under 100"		U.S.A.	1,455	...	...	3,108	...	...
Over 100"		U.S.A.	396	...	1.2	794	...	1.2
Flanged, dished or curved		U.S.A.	3	...	...	28	...	...
Boiler, pulp digesters, etc.		U.S.A.	240	...	...	365	1	...
Chequered or surface pattern		U.S.A.	289	...	...	689	...	...
For agricultural implements		U.S.A.	...	...	...	92	...	...
Stainless		England	...	...	...	...	...	5.0

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, APRIL AND YEAR TO DATE, 1946 - (Continued)

Commodity	Country of Origin	April			Four Months Ended April		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in Net Tons of 2,000 pounds)							
Sheets -							
Silicon .075 or more	U.S.A.	...	1,763	...	...	5,261	...
Galvanized	U.S.A.	746	...	...	1,743	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	5,008	...	...	18,265	...	...
Lighter than 18 gauge	U.S.A.	375	...	...	1,531	...	...
For hollow ware (vitreous enamel)..	U.S.A.	396	...	...	1,963	...	...
5¢ per pound and over	U.S.A.	6	...	...	33	3	...
Corrugated	U.S.A.	35	...	...	108	...	...
Coated with paint, asphaltum, vitreous enamel, etc.	U.S.A.	...	...	...	38	...	...
Shaped for agricultural implements.	U.S.A.	125	31	...	158	31	...
For saws	U.S.A.	67	70	...	128	214	...
Stainless	U.S.A.	...	...	7.0	...	...	33.7
	England	...	...	10.1	...	...	27.6
For cold rolled strip	U.S.A.	45	...	...	45	...	...
Cold rolled -							
18 gauge and heavier	U.S.A.	1,349	...	...	3,445	...	...
Lighter than 18 gauge	U.S.A.	2,331	...	...	9,110	...	...
For hollow ware (vitreous enamel)..	U.S.A.	138	...	...	437	...	...
5¢ per pound and over	U.S.A.	...	...	...	1	...	...
Black plate (tin mill)	U.S.A.	2,150	...	...	6,699	...	...
For heating apparatus	U.S.A.	...	...	...	25	...	...
For saws	U.S.A.	...	...	...	3	...	...
	Sweden	...	...	...	4	1	...
For skelp	U.S.A.	561	...	...	1,146	...	...
Stainless	U.S.A.	...	...	142.7	...	...	382.0
	England	...	...	...	...	...	12.0
Black plate -							
For tinning	U.S.A.	9,713	...	...	13,696	...	...
Tin plate -							
Primes	U.S.A.	1,016	...	...	2,581	...	...
	England	20	...	...	90	...	...
Seconds	England	27	...	...	35	...	...
Waste waste	U.S.A.	12	...	...	41	...	...
Electrolytic - Primes	U.S.A.	62	...	...	67	...	...
Terne plate -							
Long	U.S.A.	485	...	...	907	...	...
Short	U.S.A.	1,204	...	...	5,323	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	911	...	...	3,802	10	...
	Sweden	...	...	...	2	...	...
Lighter than 18 gauge	U.S.A.	103	...	...	640	332	...
	Sweden	...	...	...	12	...	...
For cold rolling	U.S.A.	664	...	...	2,593	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	200	...	...	302	...	...
5¢ per pound and over	U.S.A.	2	...	...	16	14	...
Painted	U.S.A.	280	...	...	1,297	...	...
For saws	U.S.A.	5	15	...	42	52	...
For motor vehicles	U.S.A.	1,093	...	...	2,161	...	...
For barrel hoops	U.S.A.	20	...	...	64	...	...
Stainless	U.S.A.	...	...	4.8	...	...	7.3
Silicon .075 or more	U.S.A.	...	68	...	...	144	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, APRIL AND YEAR TO DATE, 1946 - (Continued)

Commodity	Country of Origin	April			Four Months Ended April		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less

(All figures in Net Tons of 2,000 pounds)

Strip -							
Cold rolled -							
18 gauge and heavier	U.S.A.	250	...	...	1,015	...	...
Lighter than 18 gauge	U.S.A.	416	...	...	1,421	...	...
	Sweden	...	5	...	1	5	...
For barrel hoops	U.S.A.	21	...	...	186	...	...
5¢ per pound and over	U.S.A.	...	...	...	5	...	...
For shoe and corset laces, etc.	U.S.A.	...	...	...	84	...	...
Painted	U.S.A.	33	...	...	81	...	...
For butt hinges	U.S.A.	83	...	...	84	...	...
For saws	Sweden	...	...	...	9	6	...
	U.S.A.	6	13	...	13	26	...
For motor vehicles	U.S.A.	...	...	...	1	...	...
For pipes and tubes	U.S.A.	...	...	...	87	...	...
Stainless	U.S.A.	...	...	103.8	...	...	326.0
	England	...	...	...	...	...	1.6
Galvanized strip	U.S.A.	529	...	...	1,537	...	...
Skelp -							
Over 14" wide	U.S.A.	476	...	...	2,016	...	...
Under 14" wide	U.S.A.	5,680	...	...	19,137	...	...
Pipe -							
Cast	U.S.A.	1	...	...	13	...	...
Boiler and pulp mill digesters	U.S.A.	800	1	...	2,579	10	.1
Bedstead	U.S.A.	82	...	...	202	...	...
Seamless	U.S.A.	479	1	7.2	1,673	20	26.6
	England	13	7	4.6	55	13	9.8
Wrought -							
More than 10½" diameter	U.S.A.	100	...	...	297	...	...
Under 10½" diameter	U.S.A.	403	...	...	5,482	...	6.3
	England	...	...	...	1	...	...
Tubing -							
Not over ½" diameter	U.S.A.	8	...	...	22	...	...
Casing	U.S.A.	515	...	...	1,231	...	...
Fittings and couplings	U.S.A.	127	...	.1	446	...	1.5
Wire rope							
	U.S.A.	87	...	...	131	...	...
	England	...	...	...	13	...	...
Wire -							
For wire rope	U.S.A.	798	...	...	2,201	...	.6
	England	159	...	.2	1,053	...	.2
For fencing	U.S.A.	104	...	...	378	...	...
For corset laces, steels and stays ...	U.S.A.	22	...	...	64	...	...
Wire springs, mattresses, etc.	U.S.A.	48	...	...	68	...	...
Netting	U.S.A.	130	...	...	264	...	...
	England	...	...	...	7	...	...
All other	U.S.A.	137	7	.4	651	8	.9
Wire rods	U.S.A.	409	...	...	523	...	...
Welding rods	U.S.A.	5	7	1.8	40	23	19.5
Castings -							
For agricultural implements	U.S.A.	233	...	...	670	...	...
For ingot moulds	U.S.A.	2,199	...	...	4,234	...	...
Malleable	U.S.A.	42	...	...	436	...	...
	England	...	...	...	2	...	...
Non-malleable	U.S.A.	154	...	...	798	...	...
Steel	U.S.A.	31	7	...	143	18	1.5
For railway vehicles	U.S.A.	115	...	...	339	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, APRIL AND YEAR TO DATE, 1946 - (Concluded)

Commodity	Country of Origin	April			Four Months Ended April		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in Net Tons of 2,000 pounds)							
Castings (Con.) -							
Semi-finished piston	U.S.A.	29	...	...	55	...	...
Rolls	U.S.A.	171	65	...	699	286	...
Stainless	U.S.A.	...	...	.3	...	...	10.5
Forgings							
	England	...	...	...	1	29	...
	U.S.A.	133	48	...	560	91	.5
Wheels -							
Cast iron	U.S.A.	...	...	...	91	...	...
Pressed	England	...	...	...	621	...	...
	U.S.A.	...	...	...	6	...	...
Tires -							
Steel	U.S.A.	1,028	...	...	3,302	...	...
	England	...	...	...	253	64	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	112	...	...
For all vehicles other than railway ..	U.S.A.	...	...	...	312	...	...
Rails -							
60 pounds and under	U.S.A.	3	...	...	40	...	...
Over 60 pounds and under 100 pounds ..	U.S.A.	146	..	...	1,157	...	...
Over 100 pounds	U.S.A.	41	...	...	41	...	...
Grooved - electric tramways	U.S.A.	186	...	...	894	...	...
Track material -							
Angle bars, tie plates, rail joints ..	U.S.A.	63	324
Intersections, switches, frogs	U.S.A.	10

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Minister of Trade and Commerce

MA28-167-15

Price -
10 cents

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MONTHLY REPORT

on

PRIMARY IRON AND STEEL IN CANADA

MAY, 1946

Shipments of primary shapes by Canadian steel mills totalled 270,061 net tons in May compared with 248,381 net tons in April and 254,015 tons in March. The May total included 47,738 tons of semi-finished shapes; 16,336 tons of structurals; 18,652 tons of plates; 25,998 tons of rails; 7,645 tons of track materials; 50,091 tons of bars; 13,152 tons of pipes and tubes; 21,963 tons of wire rods; 19,471 tons of black sheets; 6,153 tons of galvanized sheets; 558 tons of tool steel; 7,355 tons of castings, and 34,929 tons of other shapes.

Of the May shipments, 51,848 tons went direct to railways and railway car shops; 9,066 tons to pressing, forming and stamping plants; 25,334 tons to merchant trade products; 20,003 tons to building construction; 17,849 tons to the containers industry; 9,010 tons to agricultural equipment; 9,604 tons to the automotive industry; 10,544 tons to machinery plants; 6,190 tons to shipbuilding; 7,166 tons to mining, lumbering, etc., and 3,217 tons to miscellaneous industries. Wholesalers and warehousing accounted for 27,910 tons, producers' interchange for 60,121 tons, and exports for 12,199 tons.

Table 1 - PRODUCTION OF PIG IRON IN CANADA, MAY AND YEAR TO DATE, 1946

	May	Year to Date
	(Tons of 2,000 pounds)	
Basic	130,223	610,335
Foundry	16,595	75,419
Malleable	12,282	60,378
	159,100	746,132

Table 2 - PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA, MAY AND YEAR TO DATE, 1946

	M A Y		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	212,696	6,888	1,019,788	28,179
Electric	26,601	5,512	124,794	21,740
Total Ingots	239,297	12,400	1,144,582	49,919
Steel castings	6,597	1,366	33,682	6,629
TOTAL INGOTS AND CASTINGS	245,894	13,766	1,178,264	56,548

Table 3 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, MAY AND YEAR TO DATE, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
	(Tons of 2,000 pounds)			
<u>MAY, 1946</u>				
Billets, etc., for forging	5,167	6,325	339	498
Other semi-finished shapes, not for re-rolling by makers	29,365	40,763	164	152
Structural shapes and piling	16,658	16,336	...	...
Plates	18,268	18,652	...	...
Rails	24,127	25,998	...	...
Tie plates and track material -				
Splice bars	1,394	1,472	...	...
Tie plates	4,274	4,661	...	...
Spikes	2,339	1,512	...	...
Tool steel	320	282	272	276
Hot rolled bars for forging	4,045	3,792	3,294	2,879
Concrete reinforcing bars	5,376	4,678	...	...
Hot rolled bars for cold finishing	1,059	1,120	...	...
Other hot rolled bars	36,031	35,227	2,388	2,395
Pipes and tubes	10,336	13,152	...	...
Wire rods	21,913	21,944	21	19
Hot rolled black sheets	16,546	17,970	...	...
Cold reduced black sheets	1,501	1,501	...	...
Galvanized sheets	6,319	6,153	...	...
Steel castings - Made by ingot makers	4,813	4,564	1,336	1,203
Made in other foundries	1,784	1,568	30	20
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	34,949	34,750	184	199
TOTAL ALL PRODUCTS	246,584	262,420	8,028	7,641

Five Months Ended May, 1946

Billets, etc., for forging	24,403	25,795	1,200	1,768
Other semi-finished shapes, not for re-rolling				
by makers	136,759	150,515	527	510
Structural shapes and piling	63,807	64,881	...	...
Plates	92,054	88,551	6	...
Rails	145,844	151,920	...	...
Tie plates and track material	38,605	40,236	...	...
Tool steel	1,088	983	1,015	1,001
Hot rolled bars for forging	26,412	24,675	11,456	11,304
Concrete reinforcing bars	21,195	20,184	...	...
Hot rolled bars for cold finishing	5,219	5,389	6	6
Other hot rolled bars	158,975	156,159	11,460	10,731
Pipes and tubes	59,953	65,691	...	...
Wire rods	115,254	117,003	89	83
Hot rolled black sheets	69,396	66,936	...	...
Cold reduced black sheets	8,981	8,981	...	...
Galvanized sheets	33,285	32,032	...	...
Steel castings - Made by ingot makers	23,018	23,000	6,815	6,202
Made in other foundries	10,177	8,970	184	169
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	157,484	156,227	657	655
TOTAL ALL PRODUCTS	1,191,909	1,208,128	33,415	32,429

Table 4 - PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SUBDIVIDED ACCORDING TO PRINCIPAL CONSUMING INDUSTRIES, MAY AND YEAR TO DATE, 1946.

Industry	May		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	5,014	4,590	23,656	17,171
Agricultural, including farm machinery ..	8,931	79	45,192	612
Building construction	19,968	35	75,052	181
Containers industry	17,840	9	75,414	42
Machinery and tools	9,925	619	38,222	3,010
Merchant trade products	25,253	81	117,507	229
Mining, lumbering, etc.	6,534	632	30,932	2,721
National defence	279	1	770	3
Pressing, forming and stamping	8,992	74	38,282	460
Public works and utilities	1,079	37	11,567	235
Railway operating	39,919	211	191,596	1,252
Railway cars and locomotives	11,611	107	76,830	1,408
Shipbuilding	6,151	39	24,078	134
Miscellaneous and unclassified	1,765	56	12,214	298
Sub-total	163,261	6,570	761,312	27,756
Wholesalers and warehouses	27,597	313	125,435	1,182
Producers' interchange	59,952	169	226,811	890
Direct export (a) to British Empire	9,194	52	62,284	432
(b) to other countries ...	2,416	537	32,286	2,169
TOTAL SHIPMENTS	262,420	7,641	1,208,128	32,429

Note: The above figures include steel castings shipped by all foundries.

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MAY AND YEAR TO DATE, 1946.

Commodity	Country of Origin	May			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Pig Iron -							
Foundry	U.S.A.	1,338	...	...	4,702	...	...
Malleable	U.S.A.	127	...	...	1,789	...	...
Silvery	U.S.A.	313	...	...	313	...	...
Ingot	U.S.A.	96	...	...	613	...	...
Blooms, billets and slabs	U.S.A.	138	...	...	320	6	...
	Sweden	6	...	...	6	...	...
Bars -							
Hot rolled	U.S.A.	3,049	641	2.9	14,274	1,848	39.4
	England	96	14	...	286	36	12.5
	Sweden	19	...	9.3	79	...	9.3
For agricultural implements	U.S.A.	1,519	...	...	4,158	1	...
Rounds over 4 7/8", squares over 4"	U.S.A.	87	5	...	534	30	...
	England	...	...	.6	97	...	.6
Angles, channels, etc.	U.S.A.	369	...	.1	1,610	10	.3
Sash or casement sections	U.S.A.	70	...	...	531	...	...
Cold finished	U.S.A.	692	32	4.9	3,046	121	18.3
	England	...	...	1.6	...	...	8.1
Tool steel	U.S.A.	20	41	...	71	196	...
	England	16	54	...	44	161	...
	Sweden	...	...	...	...	7	...
Structurals	U.S.A.	8,070	...	...	26,872	23	...
	England	...	...	...	10	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MAY AND YEAR TO DATE, 1946 (Continued)

		Country of Origin	May			Year to Date		
Commodity			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Plates -								
78" and under	U.S.A.	1,237	7	19.5	3,010	32	65.5	
	England	...	...	1.0	...	...	1.0
Over 78" and under 100"	U.S.A.	2,060	...	...	5,168	...	...
Over 100"	U.S.A.	722	...	.1	1,516	...	1.3
Flanged, dished or curved	U.S.A.	18	...	...	46	...	...
Boilers, pulp digesters, etc.	U.S.A.	282	...	...	647	1	...
Chequered, or surface pattern	U.S.A.	342	...	...	1,031	...	...
	England	168	...	...	168	...	...
For agricultural implements	U.S.A.	...	...	...	92	...	...
Stainless	England	...	...	...	...	...	5.0
Sheets -								
Silicon .075 or more	U.S.A.	...	1,093	...	...	6,354	...
Galvanized	U.S.A.	659	...	...	2,402	...	...
	England	106	...	...	106	...	...
Hot rolled -								
18 gauge and heavier	U.S.A.	7,164	...	...	25,429	...	...
Lighter than 18 gauge	U.S.A.	173	...	...	1,704	...	...
For hollow ware (vitreous enamel) .	U.S.A.	837	...	...	2,800	...	...
5¢ per pound and over	U.S.A.	3	...	...	36	3	...
Corrugated	U.S.A.	...	...	...	108	...	...
Coated with paint, asphaltum, vitreous enamel, etc.	U.S.A.	1	...	...	39	...	...
Shaped for agricultural implements	U.S.A.	145	...	...	303	31	...
For saws	U.S.A.	43	78	...	171	292	...	
For cold rolled strip	U.S.A.	170	...	...	215	...	...
Stainless	U.S.A.	...	...	20.2	...	...	53.9
	England	...	...	12.3	...	...	39.9
Cold rolled -								
18 gauge and heavier	U.S.A.	1,213	...	...	4,658	...	...
Lighter than 18 gauge	U.S.A.	3,708	...	...	12,818	...	...
	England	227	...	...	227	...	...
For hollow ware (vitreous enamel)	U.S.A.	62	...	...	499	...	...
5¢ per pound and over	U.S.A.	...	...	...	1	...	...
Black plate (tin mill)	U.S.A.	1,336	...	...	8,035	...	...
For heating apparatus	U.S.A.	...	...	...	25	...	...
For saws	U.S.A.	1	...	...	4	...	...
	Sweden	...	...	...	4	1	...
For skelp	U.S.A.	234	...	...	1,380	...	...
Stainless	U.S.A.	...	...	158.1	...	...	540.1
	England	...	...	3.4	...	...	15.4
Black plate -								
For tinning	U.S.A.	8,920	...	...	22,616	...	...
Tin plate -								
Primes	U.S.A.	4,478	...	...	7,059	...	...
	England	24	...	...	114	...	...
Seconds	England	...	...	...	35	...	...
Waste waste	U.S.A.	86	...	...	127	...	...
Electrolytic - Primes	U.S.A.	40	...	...	107	...	...
Terne plate -								
Long	U.S.A.	730	...	...	1,637	...	...
Short	U.S.A.	1,614	...	...	6,937	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MAY AND YEAR TO DATE, 1946 (Continued)

Commodity	Country of Origin	May			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	921	...	...	4,723	10	...
	Sweden	...	...	...	2	...	...
Lighter than 18 gauge	U.S.A.	150	...	...	790	332	...
	Sweden	...	...	...	12	...	...
For cold rolling	U.S.A.	979	...	...	3,572	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	72	...	...	374	...	...
5¢ per pound and over	U.S.A.	...	...	...	16	14	...
Painted	U.S.A.	216	...	...	1,513	...	...
For saws	U.S.A.	...	27	...	42	79	...
For motor vehicles	U.S.A.	490	...	...	2,651	...	...
For barrel hoops	U.S.A.	175	...	...	239	...	...
Silicon .075 or more	U.S.A.	...	270	...	...	414	...
Stainless	U.S.A.	...	...	3.6	...	...	10.9
Cold rolled -							
18 gauge and heavier	U.S.A.	186	...	...	1,199	...	...
Lighter than 18 gauge	U.S.A.	536	...	...	1,957	...	...
	Sweden	39	2	...	40	7	...
For barrel hoops	U.S.A.	...	...	...	186	...	...
5¢ per pound and over	U.S.A.	...	...	...	5	...	...
For shoe and corset laces, etc.	U.S.A.	33	...	...	117	...	...
Painted	U.S.A.	64	...	...	145	...	...
For butt hinges	U.S.A.	...	...	...	84	...	...
For saws	U.S.A.	20	24	...	29	30	...
	Sweden	6	12	...	19	38	...
For motor vehicles	U.S.A.	...	...	...	1	...	...
For pipes and tubes	U.S.A.	56	...	...	143	...	...
Stainless	U.S.A.	...	...	58.6	...	...	414.6
	England	...	...	.2	...	...	1.8
Silicon .075 or over	U.S.A.	...	47	...	...	47	...
Galvanized strip	U.S.A.	493	...	...	2,030	...	...
Skelp -							
Over 14" wide	U.S.A.	62	...	...	2,078	...	...
Under 14" wide	U.S.A.	3,065	...	...	22,202	...	...
Pipe -							
Cast	U.S.A.	6	...	...	19	...	...
Boiler and pulp mill digesters	U.S.A.	1,357	2	.2	3,936	12	.3
Bedstead	U.S.A.	45	...	...	247	...	...
Seamless	U.S.A.	525	18	13.6	2,198	38	40.2
	England	32	9	4.3	87	22	14.1
Wrought -							
More than 10½" diameter	U.S.A.	2,676	...	...	2,973	...	...
Under 10½" diameter	U.S.A.	429	...	...	5,911	...	6.3
	England	...	...	...	1	...	...
Stainless	U.S.A.	...	...	5.2	...	...	5.2
Tubing -							
Not over ½" diameter	U.S.A.	11	...	...	33	...	...
Casing	U.S.A.	582	...	...	1,813	...	...
Fittings and couplings	U.S.A.	170	...	1.0	616	...	2.5

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MAY AND YEAR TO DATE, 1946 (Concluded)

Commodity	Country of Origin	May			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Wire rope	U.S.A.	10	...	...	141	...	...
	England	...	...	...	13	...	...
Wire -							
For wire rope	U.S.A.	787	...	...	2,988	...	.6
	England	207	...	...	1,260	...	.2
For fencing	U.S.A.	...	...	...	378	...	...
For corset laces, steels and stays ..	U.S.A.	17	...	...	81	...	...
For wire springs, mattress, etc.	U.S.A.	29	...	...	97	...	...
Netting	U.S.A.	107	...	...	371	...	...
	England	36	...	...	43	...	...
Coated	U.S.A.	27	...	...	96	...	...
All other	U.S.A.	175	3	.8	755	11	1.3
	England	...	...	...	2	...	...
Stainless	U.S.A.	...	...	...	...	...	.9
Wire rods	U.S.A.	...	...	...	523	...	...
Welding rods	U.S.A.	8	2	1.9	48	25	21.4
Castings -							
For agricultural implements	U.S.A.	104	...	...	774	...	...
For ingot moulds	U.S.A.	1,078	...	...	5,312	...	...
Malleable	U.S.A.	20	...	...	456	...	...
	England	...	...	...	2	...	...
Non-malleable	U.S.A.	354	...	...	1,152	...	...
Steel	U.S.A.	88	5	.6	236	23	2.1
For railway vehicles	U.S.A.	23	...	...	362	...	...
Semi-finished piston	U.S.A.	...	...	...	55	...	...
Rolls	U.S.A.	156	89	...	855	375	...
Stainless	U.S.A.	...	...	...	...	...	10.5
Forgings	England	...	21	...	1	50	...
	U.S.A.	102	16	.3	662	107	.8
Wheels -							
Cast iron	U.S.A.	...	...	...	91	...	...
Pressed	England	...	...	...	621	...	...
	U.S.A.	...	...	...	6	...	...
Tires -							
Steel	U.S.A.	322	...	...	3,624	...	...
	England	41	...	...	294	64	...
Axles -							
For railway vehicles	U.S.A.	81	...	...	193	...	...
For all vehicles other than railways	U.S.A.	...	...	...	312	...	...
Rails -							
60 lbs. and under	U.S.A.	1	...	...	41	...	...
Over 60 lbs. and under 100 lbs.	U.S.A.	11	...	...	1,168	...	...
Over 100 lbs.	U.S.A.	6	...	...	47	...	...
Grooved - electric tramways	U.S.A.	146	...	...	1,040	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	160	...	...	484	...	...
Intersections, switches, frogs	U.S.A.	...	...	...	10	...	...

41-001

Published by Authority of the HON. JAMES A. MacKINNON, M.P.
Minister of Trade and Commerce

MC28-30-8-46
Price -
10 cents.

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL STATISTICS
OTTAWA - CANADA

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MONTHLY REPORT

ON

PRIMARY IRON AND STEEL IN CANADA

JUNE, 1946

Shipments of primary shapes by Canadian steel mills totalled 220,715 net tons in June compared with 270,061 net tons in May and 248,381 net tons in April. The June total included 33,514 tons of semi-finished shapes; 13,582 tons of structurals; 19,402 tons of plates; 12,364 tons of rails; 6,875 tons of track materials; 45,109 tons of bars; 8,564 tons of pipes and tubes; 21,783 tons of wire rods; 15,794 tons of black sheets; 6,239 tons of galvanized sheets; 461 tons of tool steel; 5,243 tons of castings, and 31,785 tons of other shapes.

Of the June shipments, 28,997 tons went direct to railways and railway car shops, 8,587 tons to pressing, forming and stamping plants; 20,461 tons to merchant trade products; 20,623 tons to building construction; 16,790 tons to the containers industry; 11,487 tons to agricultural equipment; 6,946 tons to the automotive industry; 11,147 tons to machinery plants; 4,920 tons to shipbuilding; 6,822 tons to mining, lumbering, etc., and 3,336 tons to miscellaneous industries. Wholesalers and warehousing accounted for 25,081 tons; producers' interchange for 46,829 tons, and exports for 8,689 tons.

Table 1 - PRODUCTION OF PIG IRON IN CANADA, JUNE, AND YEAR TO DATE, 1946.

	JUNE	YEAR TO DATE
	(Tons of 2,000 pounds)	
Basic	96,593	706,928
Foundry	20,808	96,227
Malleable	12,489	72,867
	129,890	876,022

Table 2 - PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA, JUNE, AND YEAR TO DATE, 1946.

	JUNE		YEAR TO DATE	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	172,392	4,873	1,192,180	33,052
Electric	27,649	3,381	152,443	25,121
Total Ingots	200,041	8,254	1,344,623	58,173
Steel castings	4,945	1,096	38,627	7,725
TOTAL INGOTS AND CASTINGS	204,986	9,350	1,383,250	65,898

Table 3 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, JUNE, AND YEAR TO DATE, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
	(Tons of 2,000 pounds)			
JUNE, 1946				
Billets, etc., for forging	6,423	5,491	484	252
Other semi-finished shapes, not for re-rolling				
by makers	29,121	27,755	74	16
Structural shapes and piling	14,130	13,582	-	-
Plates	18,892	19,402	-	-
Rails	16,742	12,364	-	-
Tie plates and track material - (x)				
Splice bars	6,166	6,875	-	-
Tie plates				
Spikes				
Tool Steel	249	262	239	199
Hot rolled bars for forging	6,622	4,989	972	1,435
Concrete reinforcing bars	4,601	4,710	-	-
Hot rolled bars for cold finishing	186	196	-	-
Other hot rolled bars	31,352	31,370	2,403	2,409
Pipes and tubes	6,835	8,564	-	-
Wire rods	19,584	21,783	14	-
Hot rolled black sheets	16,258	14,433	-	-
Cold reduced black sheets	1,361	1,361	-	-
Galvanized sheets	5,799	6,239	-	-
Steel castings - Made by ingot makers	917	520	64	26
Made in other foundries	4,028	3,749	1,032	948
All other shapes, including tin plate, tin mill				
black plate, cold finished bars and strips, etc. ...	31,720	31,671	115	114
TOTAL ALL PRODUCTS	220,986	215,316	5,397	5,399
Six Months Ended JUNE, 1946				
Billets, etc., for forging	30,826	31,286	1,684	2,020
Other semi-finished shapes, not for re-rolling				
by makers	165,880	178,270	601	526
Structural shapes and piling	77,937	78,463	-	-
Plates	110,946	107,953	6	-
Rails	162,586	164,284	-	-
Tie plates and track material	44,771	47,111	-	-
Tool steel	1,337	1,245	1,254	1,200
Hot rolled bars for forging	33,034	29,664	12,428	12,739
Concrete reinforcing bars	25,796	24,894	-	-
Hot rolled bars for cold finishing	5,405	5,585	6	6
Other hot rolled bars	190,327	187,529	13,863	13,140
Pipes and tubes	66,788	74,255	-	-
Wire rods	134,838	138,786	103	83
Hot rolled black sheets	85,654	81,369	-	-
Cold reduced black sheets	10,342	10,342	-	-
Galvanized sheets	39,084	38,271	-	-
Steel castings - Made by ingot makers	23,935	23,520	6,879	6,228
Made in other foundries	14,205	12,719	1,216	1,117
All other shapes, including tin plate, tin mill				
black plate, cold finished bars and strips, etc. ...	189,204	187,898	772	769
TOTAL ALL PRODUCTS	1,412,895	1,423,444	38,812	37,828

(x) Breakdown of tie plates and track material not available on account of steel strike.

Table 4 - PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SUBDIVIDED ACCORDING TO PRINCIPAL CONSUMING INDUSTRIES, JUNE AND YEAR TO DATE, 1946.

Industry	June		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	4,271	2,675	27,927	19,846
Agricultural, including farm machinery	11,381	106	56,573	718
Building construction	20,478	145	95,530	326
Containers industry	16,777	13	92,191	55
Machinery and tools	10,781	366	49,003	3,376
Merchant trade products	20,429	32	137,936	261
Mining, lumbering, etc.	6,247	575	37,179	3,296
National defence	595	1	1,365	4
Pressing, forming and stamping	8,525	62	46,807	522
Public works and utilities	1,503	31	13,070	266
Railway operating	20,848	219	212,444	1,471
Railway cars and locomotives	7,862	68	84,692	1,476
Shipbuilding	4,900	20	28,978	154
Miscellaneous and unclassified	1,163	43	13,377	341
Sub-total	135,760	4,356	897,072	32,112
Wholesalers and warehouses	24,770	311	150,205	1,493
Producers' interchange	46,816	13	273,627	903
Direct export (a) to British Empire	3,557	43	65,841	475
(b) to other countries	4,413	676	36,699	2,845
TOTAL SHIPMENTS	215,316	5,399	1,423,444	37,828

Note: The above figures include steel castings shipped by all foundries.

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, JUNE AND YEAR TO DATE, 1946.

Table 3 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, JUNE AND YEAR TO DATE, 1940.							
Commodity	Country of Origin	June			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Pig Iron -							
Foundry	U.S.A.	508	-	-	5,210	-	-
Malleable	U.S.A.	-	-	-	1,789	-	-
Silvery	U.S.A.	80	-	-	393	-	-
Ingots	U.S.A.	168	-	-	781	-	-
Blooms, billets and slabs	U.S.A.	96	-	-	416	6	-
	Sweden	-	-	-	6	-	-
Bars -							
Hot rolled	U.S.A.	2,734	769	8.2	17,008	2,617	47.6
	England	15	4	5.7	301	40	18.2
	Sweden	-	-	-	79	-	9.3
For agricultural implements	U.S.A.	675	-	-	4,833	1	-
Rounds over 4 7/8", squares over 4" ..	U.S.A.	92	23	-	626	53	-
	England	57	-	.3	154	-	.9
Angles, channels, etc	U.S.A.	195	-	.4	1,805	10	.7
Sash or casement sections	U.S.A.	273	-	-	804	-	-
Cold finished	U.S.A.	1,016	22	17.9	4,062	143	36.2
	England	-	-	6.2	-	-	14.3
Cold finished for agricultural implements	U.S.A.	721	-	-	721	-	-
Tool steel	U.S.A.	18	51	-	89	247	-
	England	28	108	-	72	269	-
	Sweden	-	-	-	-	7	-
Structurals	U.S.A.	4,169	-	-	31,041	23	-
	England	-	-	-	10	-	-

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, JUNE AND YEAR TO DATE, 1946 (Continued)

Commodity		Country of Origin	June			Year to Date		
			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Plates -								
78" and under	U.S.A.	5,248	3	23.4	8,258	35	88.9	
	England	-	-	2.2	-	-	3.2	
Over 78" and under 100"	U.S.A.	1,262	-	-	6,430	-	-	
Over 100"	U.S.A.	91	-	-	1,607	-	1.3	
Flanges, dished or curved	U.S.A.	39	-	-	85	-	-	
Boilers, pulp digesters, etc.	U.S.A.	84	-	-	731	1	-	
Chequered, or surface pattern	U.S.A.	500	-	-	1,531	-	-	
	England	-	-	-	168	-	-	
For agricultural implements	U.S.A.	-	-	-	92	-	-	
Cold rolled for saws	U.S.A.	-	1	-	-	1	-	
Galvanized	U.S.A.	106	-	-	106	-	-	
Stainless	England	-	-	-	-	-	5.0	
Sheets -								
Silicon .075 or more	U.S.A.	-	948	-	-	7,302	-	
Galvanized	U.S.A.	1,066	-	-	3,468	-	-	
	England	-	-	-	106	-	-	
Hot rolled -								
18 gauge and heavier	U.S.A.	4,084	-	-	29,513	-	-	
Lighter than 18 gauge	U.S.A.	30	-	-	1,734	-	-	
	England	290	-	-	290	-	-	
For hollow ware (vitreous enamel) .	U.S.A.	872	-	-	3,672	-	-	
5¢ per pound and over	U.S.A.	5	-	-	41	3	-	
Corrugated	U.S.A.	44	-	-	152	-	-	
Coated with paint, asphaltum, vitreous enamel, etc.	U.S.A.	71	-	-	110	-	-	
Shaped for agricultural implements	U.S.A.	173	25	-	476	56	-	
For saws	U.S.A.	56	99	-	227	391	-	
For cold rolled strip	U.S.A.	157	-	-	372	-	-	
Stainless	U.S.A.	-	-	50.4	-	-	104.3	
	England	-	-	17.7	-	-	57.6	
Cold rolled -								
18 gauge and heavier	U.S.A.	1,156	-	-	5,814	-	-	
Lighter than 18 gauge	U.S.A.	2,819	-	-	15,637	-	-	
	England	29	-	-	256	-	-	
For hollow ware (vitreous enamel)	U.S.A.	151	-	-	650	-	-	
5¢ per pound and over	U.S.A.	-	-	-	1	-	-	
Black plate (tin mill)	U.S.A.	1,480	-	-	9,515	-	-	
For heating apparatus	U.S.A.	37	-	-	62	-	-	
For saws	U.S.A.	-	-	-	4	-	-	
	Sweden	-	-	-	4	1	-	
For skelp	U.S.A.	445	-	-	1,825	-	-	
Stainless	U.S.A.	-	-	228.0	-	-	768.1	
	England	-	-	1.4	-	-	16.8	
Black plate -								
For tinning	U.S.A.	6,437	-	-	29,053	-	-	
Tin plate -								
Primes	U.S.A.	5,278	-	-	12,337	-	-	
	England	28	-	-	142	-	-	
Seconds	England	-	-	-	35	-	-	
Waste waste	U.S.A.	88	-	-	215	-	-	
Electrolytic - Primes	U.S.A.	-	-	-	107	-	-	
Waste waste	U.S.A.	183	-	-	183	-	-	
Terne plate -								
Long	U.S.A.	367	-	-	2,004	-	-	
Short	U.S.A.	2,094	-	-	9,031	-	-	

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, JUNE AND YEAR TO DATE, 1946 (continued)

Commodity	Country of Origin	June			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	733	10	-	5,456	20	-
	Sweden	-	-	-	2	-	-
Lighter than 18 gauge	U.S.A.	103	-	-	893	332	-
	Sweden	-	-	-	12	-	-
For cold rolling	U.S.A.	251	-	-	3,823	-	-
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	163	-	-	537	-	-
5¢ per pound and over	U.S.A.	7	-	-	23	14	-
Painted	U.S.A.	289	-	-	1,802	-	-
For saws	U.S.A.	2	26	-	44	105	-
For motor vehicles	U.S.A.	822	-	-	3,473	-	-
For barrel hoops	U.S.A.	53	-	-	292	-	-
Silicon .075 or more	U.S.A.	-	97	-	-	511	-
Stainless	U.S.A.	-	-	7.3	-	-	18.2
	England	-	-	.2	-	-	.2
Cold rolled -							
18 gauge and heavier	U.S.A.	333	-	-	1,532	-	-
Lighter than 18 gauge	U.S.A.	330	3	-	2,287	3	-
	Sweden	25	-	-	65	7	-
	England	26	-	-	26	-	-
For barrel hoops	U.S.A.	176	-	-	362	-	-
5¢ per pound and over	U.S.A.	-	-	-	5	-	-
For shoe and corset laces, etc. ...	U.S.A.	87	-	-	204	-	-
Painted	U.S.A.	27	-	-	172	-	-
For butt hinges	U.S.A.	-	-	-	84	-	-
For saws	U.S.A.	-	33	-	29	63	-
	Sweden	1	-	-	20	38	-
For motor vehicles	U.S.A.	-	-	-	1	-	-
For pipes and tubes	U.S.A.	50	-	-	193	-	-
Stainless	U.S.A.	-	-	152.0	-	-	566.6
	England	-	-	-	-	-	1.8
Silicon .075 or over	U.S.A.	-	87	-	-	134	-
Galvanized strip	U.S.A.	525	-	-	2,555	-	-
Skelp -							
Over 14" wide	U.S.A.	-	-	-	2,078	-	-
Under 14" wide	U.S.A.	-	-	-	22,202	-	-
Pipe -							
Cast	U.S.A.	4	-	-	23	-	-
Boiler and pulp mill digesters	U.S.A.	1,476	-	-	5,412	12	.3
Bedstead	U.S.A.	74	-	-	321	-	-
	England	1	-	-	1	-	-
Seamless	U.S.A.	589	32	10.6	2,787	70	50.8
	England	30	26	2.1	117	48	16.2
Wrought -							
More than 10½" diameter	U.S.A.	267	-	-	3,235	-	-
Under 10½" diameter	U.S.A.	741	23	1.7	6,652	23	8.0
	England	-	-	-	1	-	-
Stainless	U.S.A.	-	-	-	-	-	5.2
Tubing -							
Not over ½" diameter	U.S.A.	2	-	-	35	-	-
Casing	U.S.A.	107	-	-	1,920	-	-
Fittings and couplings	U.S.A.	142	-	.8	758	-	3.3

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, JUNE AND YEAR TO DATE, 1946 (Concluded)

Commodity	Country of Origin	June			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Wire rope	U.S.A.	5	-	1.6	146	-	1.6
	England	9	-	-	22	-	-
Wire -							
For wire rope	U.S.A.	615	-	-	3,603	-	.6
	England	533	-	-	1,793	-	.2
For fencing	U.S.A.	9	-	-	387	-	-
For corset laces, steels and stays ..	U.S.A.	13	-	-	94	-	-
For wire springs, mattress, etc., ...	U.S.A.	-	-	-	97	-	-
Netting	U.S.A.	141	-	-	512	-	-
	England	27	-	-	70	-	-
Coated	U.S.A.	45	-	-	141	-	-
All other	U.S.A.	248	2	1.8	1,003	13	3.1
	England	-	-	-	2	-	-
Stainless	U.S.A.	-	-	-	-	-	.9
Wire rods	U.S.A.	17	-	-	540	-	-
Welding rods	U.S.A.	26	-	3.4	74	25	24.8
Castings -							
For agricultural implements	U.S.A.	86	-	-	860	-	-
For ingot moulds	U.S.A.	790	-	-	6,102	-	-
Malleable	U.S.A.	48	-	-	504	-	-
	England	2	-	-	4	-	-
Non-malleable	U.S.A.	209	-	-	1,361	-	-
Steel	U.S.A.	71	15	1.9	307	38	4.0
For railway vehicles	U.S.A.	167	-	-	529	-	-
Semi-finished piston	U.S.A.	3	-	-	58	-	-
Rolls	U.S.A.	214	79	-	1,069	454	-
Stainless	U.S.A.	-	-	-	-	-	10.5
Forgings	England	-	39	-	1	89	-
	U.S.A.	132	27	.2	794	134	1.0
Wheels -							
Cast iron	U.S.A.	405	-	-	496	-	-
	England	5	-	-	5	-	-
Pressed	England	-	-	-	621	-	-
	U.S.A.	24	-	-	30	-	-
Tires -							
Steel	U.S.A.	873	-	-	4,497	-	-
	England	37	-	-	331	64	-
Axles -							
For railway vehicles	U.S.A.	-	-	-	193	-	-
For all vehicles other than railways	U.S.A.	-	-	-	312	-	-
Rails -							
60 lbs. and under	U.S.A.	-	-	-	41	-	-
Over 60 lbs. and under 100 lbs.	U.S.A.	4	-	-	1,172	-	-
Over 100 lbs.	U.S.A.	9	-	-	56	-	-
Grooved - electric tramways	U.S.A.	154	-	-	1,194	-	-
Track material -							
Angle bars, tie plates, rail joints .	U.S.A.	42	-	-	526	-	-
Intersections, switches, frogs	U.S.A.	-	-	-	10	-	-

41-001

DEPT. OF POLITICAL SCIENCE UNIVERSITY OF TORONTO

Published by Authority of the HON. JAMES A. MACKINNON, M.P.
Minister of Trade and Commerce

MC28-18-11-46

Price -
10 cents

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DOMINION BUREAU OF STATISTICS
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H. McLeod, B.Sc.

MONTHLY REPORT

ON

PRIMARY IRON AND STEEL IN CANADA

JULY, 1946

Shipments of primary shapes by Canadian steel mills totalled 126,763 net tons in July compared with 220,715 net tons in June and 270,061 net tons in May. The July total included 13,635 tons of semi-finished shapes; 6,078 tons of structurals; 9,644 tons of plates; 1,907 tons of rails; 1,836 tons of track materials; 28,002 tons of bars; 10,289 tons of pipes and tubes; 12,737 tons of wire rods; 9,006 tons of black sheets; 3,264 tons of galvanized sheets; 382 tons of tool steel; 4,975 tons of castings, and 29,983 tons of other shapes.

Of the July shipments, 12,690 tons went direct to railways and railway car shops, 5,789 tons to pressing, forming and stamping plants; 15,429 tons to merchant trade products; 12,659 tons to building construction; 11,861 tons to the containers industry; 2,926 tons to agricultural equipment; 5,180 tons to the automotive industry; 6,487 tons to machinery plants; 2,455 tons to shipbuilding; 3,992 tons to mining, lumbering, etc., and 2,675 tons to miscellaneous industries. Wholesalers and warehousing accounted for 16,926 tons; producers' interchange for 24,964 tons, and exports for 2,730 tons.

Table 1 - PRODUCTION OF PIG IRON IN CANADA, JULY AND YEAR TO DATE, 1946

	July	Year to date
	(Tons of 2,000 pounds)	
Basic	52,678	759,606
Foundry	7,080	103,307
Malleable	4,714	77,581
TOTAL	64,472	940,494

Table 2 - PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA, JULY AND YEAR TO DATE, 1946

	J u l y		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	99,164	4,647	1,291,344	37,699
Electric	22,637	4,306	175,080	29,427
Total Ingots	121,801	8,953	1,466,424	67,126
Steel castings	4,018	1,041	42,645	8,766
TOTAL INGOTS AND CASTINGS	125,819	9,994	1,509,069	75,892

Table 3 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, JULY, AND YEAR TO DATE, 1946

JULY, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
	(Tons of 2,000 pounds)			
Billets, etc., for forging	3,330	4,209	367	451
Other semi-finished shapes, not for re-rolling				
by makers	10,213	8,872	145	103
Structural shapes and piling	4,164	6,078	...	...
Plates	12,685	9,644	...	...
Rails	7,114	1,907	...	...
Tie plates and track material -				
Splice bars .....	...	34	...	...
Tie plates	1,016	1,316	...	...
Spikes	214	486	...	...
Tool Steel	171	182	208	200
Hot rolled bars for forging	2,959	2,920	507	826
Concrete reinforcing bars	5,718	4,382	...	...
Hot rolled bars for cold finishing	357	357	167	71
Other hot rolled bars	19,020	18,349	1,120	1,097
Pipes and tubes	7,747	10,289	...	...
Wire rods	11,494	12,737	...	...
Hot rolled black sheets	3,996	7,538	...	...
Cold reduced black sheets	1,468	1,468	...	...
Galvanized sheets	2,824	3,264	...	...
Steel castings - Made by ingot makers	743	774	23	26
Made in other foundries	3,275	3,210	1,018	965
All other shapes, including tin plate, tin mill				
black plate, cold finished bars and strips, etc.	25,359	24,868	153	140
TOTAL	123,867	122,884	3,708	3,879

Seven Months Ended July, 1946

Billets, etc., for forging	34,156	35,495	2,051	2,471
Other semi-finished shapes, not for re-rolling				
by makers	176,093	187,142	746	629
Structural shapes and piling	82,101	84,541	...	...
Plates	123,631	117,597	6	...
Rails	169,700	166,191	...	...
Tie plates and track material	46,001	48,950	...	...
Tool steel	1,508	1,427	1,462	1,400
Hot rolled bars for forging	35,993	32,584	12,935	13,565
Concrete reinforcing bars	31,514	29,276	...	...
Hot rolled bars for cold finishing	5,762	5,942	173	77
Other hot rolled bars	209,347	205,878	14,983	14,237
Pipes and tubes	74,535	84,544	...	...
Wire rods	146,332	151,523	103	83
Hot rolled black sheets	89,650	88,907	...	...
Cold reduced black sheets	11,810	11,810	...	...
Galvanized sheets	41,908	41,535	...	...
Steel castings - Made by ingot makers	24,678	24,294	6,902	6,254
Made in other foundries	17,480	15,929	2,234	2,082
All other shapes, including tin plate, tin mill				
black plate, cold finished bars and strips, etc.	214,563	212,766	925	909
TOTAL	1,536,762	1,546,331	42,520	41,707

Table 4 - PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SUBDIVIDED ACCORDING TO PRINCIPAL CONSUMING INDUSTRIES, JULY AND YEAR TO DATE, 1946

Industry	J u l y		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	3,170	2,010	31,097	21,856
Agricultural, including farm machinery	2,911	15	59,484	733
Building construction	12,633	26	108,163	352
Containers industry	11,857	4	104,048	59
Machinery and tools	6,094	393	55,097	3,769
Merchant trade products	15,341	88	153,277	349
Mining, lumbering, etc.	3,576	416	40,755	3,712
National defence	198	2	1,563	6
Pressing, forming and stamping	5,723	66	52,530	588
Public works and utilities	1,723	52	14,793	318
Railway operating	7,136	72	219,580	1,543
Railway cars and locomotives	5,440	42	90,132	1,518
Shipbuilding	2,410	45	31,388	199
Miscellaneous and unclassified	657	43	14,034	384
Sub-total	78,869	3,274	975,941	35,386
Wholesalers and warehouses	16,796	130	167,001	1,623
Producers' interchange	24,837	127	298,464	1,030
Direct export (a) to British Empire	2,101	66	67,942	541
(b) to other countries	281	282	36,980	3,127
TOTAL	122,884	3,879	1,546,328	41,707

Note: The above figures include steel castings shipped by all foundries.

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, JULY AND YEAR TO DATE, 1946

Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(All figures in net tons of 2,000 pounds)					
Pig Iron -							
Foundry	U.S.A.	206	...	...	5,416	...	...
Malleable	U.S.A.	...	...	...	1,789	...	...
Silvery	U.S.A.	29	...	...	422	...	...
Ingots	U.S.A.	42	...	...	823	...	...
Blooms, billets and slabs	U.S.A.	...	1	...	416	7	...
	Sweden	...	...	...	6	...	...
Bars -							
Hot rolled	U.S.A.	2,443	605	.6	19,451	3,222	48.2
	England	1	...	3.4	302	40	21.6
	Sweden	...	...	...	79	...	9.3
For agricultural implements	U.S.A.	868	...	...	5,701	1	...
Rounds over 4 7/8", squares over 4" ...	U.S.A.	74	14	...	700	67	...
	England	...	...	.3	154	...	1.2
Angles, Channels, etc.	U.S.A.	148	...	1.0	1,953	10	1.7
Sash or casement sections	U.S.A.	520	...	...	1,324	...	...
Cold finished	U.S.A.	1,300	8	8.0	5,362	151	44.2
	England	13	...	.6	13	...	14.9
Cold finished for agricultural implements	U.S.A.	635	...	...	1,356	...	...
Tool steel	U.S.A.	10	41	...	99	288	...
	England	16	23	...	88	292	...
	Sweden	7	...
Structurals	U.S.A.	6,926	37,967	23	...
	England	10

Primary

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Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, JULY AND YEAR TO DATE, 1946 (Continued)

Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Plates -							
78" and under	U.S.A.	2,862	1	47.3	11,120	36	136.2
	England	...	...	...	...	...	3.2
Over 78" and under 100"	U.S.A.	922	...	10.5	7,352	...	10.5
Over 100"	U.S.A.	97	...	3.1	1,704	...	4.4
Flanges, dished or curved	U.S.A.	26	...	...	111	...	...
Boilers, pulp digesters, etc.	U.S.A.	340	...	...	1,071	...	...
Chequered, or surface pattern	U.S.A.	461	...	...	1,992	1	...
	England	...	...	...	168	...	...
For agricultural implements	U.S.A.	...	...	...	92	...	...
Cold rolled for saws	U.S.A.	...	...	...	...	1	...
Galvanized	U.S.A.	...	...	...	106	...	...
Stainless	England	...	..	...	...	...	5.0
Sheets -							
Silicon .075 or more	U.S.A.	...	1,612	...	...	8,914	...
Galvanized	U.S.A.	560	...	...	4,028	...	...
	England	...	...	...	106	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	3,126	...	...	32,639	...	...
Lighter than 18 gauge	U.S.A.	131	...	...	1,865	...	...
	England	120	...	...	410	...	...
For hollow ware (vitreous enamel)	U.S.A.	269	...	...	3,941	...	...
	England	89	...	...	89	...	...
5¢ per pound and over	U.S.A.	1	...	...	42	3	...
Corrugated	U.S.A.	44	...	...	196	...	...
Coated with paint, asphaltum, vitreous enamel, etc.	U.S.A.	9	...	...	119	...	...
Shaped for agricultural implements	U.S.A.	214	53	...	690	109	...
For saws	U.S.A.	27	80	...	254	471	...
For cold rolled strip	U.S.A.	43	...	...	415	...	...
Stainless	U.S.A.	...	...	15.4	...	...	119.7
	England	...	...	5.8	...	...	63.4
Cold rolled -							
18 gauge and heavier	U.S.A.	318	...	...	6,632	...	...
Lighter than 18 gauge	U.S.A.	2,102	...	...	17,739	...	...
	England	...	...	...	256	...	...
For hollow ware (vitreous enamel)	U.S.A.	42	...	...	692	...	...
5¢ per pound and over	U.S.A.	...	...	...	1	...	...
Black plate (tin mill)	U.S.A.	853	...	...	10,368	...	...
For heating apparatus	U.S.A.	...	...	...	62	...	...
For saws	U.S.A.	...	2	...	4	2	...
	Sweden	...	1	...	4	2	...
For skelp	U.S.A.	...	...	...	1,825	...	...
Stainless	U.S.A.	...	...	155.3	...	...	923.4
	England	...	...	...	...	...	16.8
Black plate -							
For tinning	U.S.A.	4,427	...	...	33,480	...	...
Tin plate -							
Primes	U.S.A.	3,907	...	...	16,244	...	...
	England	21	...	...	163	...	...
Seconds	England	...	...	...	35	...	...
Waste waste	U.S.A.	...	...	...	215	...	...
Electrolytic - Primes (25#)	U.S.A.	2	...	...	2	...	...
Primes (50#)	U.S.A.	...	...	...	107	...	...
Waste waste	U.S.A.	...	...	...	183	...	...
Terne plate -							
Long	U.S.A.	233	...	...	2,227	...	...
Short	U.S.A.	1,040	...	...	10,071	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, JULY AND YEAR TO DATE, 1946 (Continued)

Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less

(All figures in net tons of 2,000 pounds)

Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	838	4	...	6,294	24	...
	England	41	...	...	41	...	...
	Sweden	...	...	...	2	...	...
Lighter than 18 gauge	U.S.A.	71	...	...	964	332	...
	Sweden	...	...	...	12	...	...
For cold rolling	U.S.A.	523	...	...	4,346	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	60	...	...	597	...	...
5¢ per pound and over	U.S.A.	5	...	...	28	14	...
Painted	U.S.A.	233	...	...	2,035	...	...
For saws	U.S.A.	8	32	...	52	137	...
For motor vehicles	U.S.A.	245	...	...	3,718	...	...
For barrel hoops	U.S.A.	...	...	...	292	...	...
Silicon .075 or more	U.S.A.	...	56	...	...	567	...
Stainless	U.S.A.	...	...	.2	...	...	18.4
	England	...	...	...	...	...	.2
Cold rolled -							
18 gauge and heavier	U.S.A.	96	...	...	1,628	...	...
Lighter than 18 gauge	U.S.A.	681	6	...	2,968	9	...
	Sweden	16	...	...	81	7	...
	England	...	...	...	26	...	...
For barrel hoops	U.S.A.	215	...	...	577	...	...
5¢ per pound and over	U.S.A.	...	...	...	5	...	...
For shoe and corset laces, etc.	U.S.A.	29	...	...	233	...	...
Painted	U.S.A.	9	...	...	181	...	...
For butt hinges	U.S.A.	...	...	...	84	...	...
For saws	U.S.A.	2	15	...	31	78	...
	Sweden	6	...	...	26	38	...
For motor vehicles	U.S.A.	...	...	...	1	...	...
For pipes and tubes	U.S.A.	22	...	...	215	...	...
Stainless	U.S.A.	...	...	120.1	...	...	686.7
	England	...	...	.4	...	...	2.2
Silicon .075 or over	U.S.A.	...	210	...	...	344	...
Galvanized strip	U.S.A.	414	...	...	2,969	...	...
Skelp -							
Over 14" wide	U.S.A.	1,063	...	...	3,141	...	...
Under 14" wide	U.S.A.	4,371	...	...	26,573	...	...
Pipe -							
Cast	U.S.A.	9	...	...	32	...	...
Boiler and pulp mill digesters	U.S.A.	1,328	23	1.0	6,740	35	1.3
Bedstead	U.S.A.	...	...	...	321	...	...
	England	...	...	...	1	...	...
Seamless	U.S.A.	482	20	12.7	3,269	90	63.5
	England	14	11	.5	131	59	16.7
Wrought -							
More than 10½" diameter	U.S.A.	396	...	...	3,631	...	...
Under 10½" diameter	U.S.A.	510	1	7.4	7,162	24	15.4
	England	...	...	...	1	...	...
Stainless	U.S.A.	...	...	...	...	...	5.2
Tubing -							
Not over ½" diameter	U.S.A.	6	...	...	41	...	...
Casing	U.S.A.	147	...	...	2,067	...	...
Fittings and couplings	U.S.A.	145	...	1.2	903	...	4.5

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, JULY AND YEAR TO DATE, 1946 (Concluded)

Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Wire rope	U.S.A.	37	...	.1	183	...	1.7
	England	2	...	...	24	...	...
Wire -							
For wire rope	U.S.A.	551	...	2.0	4,154	...	2.6
	England	66	...	...	1,859	...	.2
For fencing	U.S.A.	45	...	...	432	...	...
For corset laces, steels and stays	U.S.A.	11	...	...	105	...	...
For wire springs, mattress, etc.	U.S.A.	113	...	...	210	...	...
Netting	U.S.A.	72	...	.1	584	...	.1
	England	8	...	...	78	...	...
Coated	U.S.A.	88	...	...	229	...	...
All other	U.S.A.	92	...	2.2	1,095	13	5.3
	England	...	...	...	2	...	...
Stainless	U.S.A.	...	...	...	...	...	.9
Wire rods	U.S.A.	90	...	1.0	630	...	1.0
Welding rods	U.S.A.	28	4	3.6	102	29	28.4
Castings -							
For agricultural implements	U.S.A.	48	...	...	908	...	...
For ingot moulds	U.S.A.	1,512	...	...	7,614	...	...
Malleable	U.S.A.	46	...	...	550	...	...
	England	...	...	...	4	...	...
Non-malleable	U.S.A.	132	...	...	1,493	...	...
Steel	U.S.A.	29	8	...	336	46	4.0
For railway vehicles	U.S.A.	137	...	...	666	...	...
Semi-finished piston	U.S.A.	10	...	...	68	...	...
Rolls	U.S.A.	146	64	...	1,215	518	...
	England	2	...	...	2	...	...
Stainless	U.S.A.	...	...	...	...	...	10.5
Forgings	England	...	...	...	1	89	...
	U.S.A.	149	8	.1	943	142	1.1
Wheels -							
Cast iron	U.S.A.	109	...	...	605	...	...
	England	383	...	...	388	...	...
Pressed	England	...	...	...	621	...	...
	U.S.A.	22	...	...	52	...	...
Tires -							
Steel	U.S.A.	702	...	...	5,199	...	...
	England	387	...	...	718	64	...
Axles -							
For railway vehicles	U.S.A.	31	...	...	224	...	...
For all vehicles other than railways ..	U.S.A.	67	...	...	379	...	...
Rails -							
60 lbs. and under	U.S.A.	...	...	...	41	...	...
Over 60 lbs. and under 100 lbs.	U.S.A.	268	...	...	1,440	...	...
Over 100 lbs.	U.S.A.	20	...	...	76	...	...
Grooved - electric tramways	U.S.A.	8	...	...	1,202	...	...
Track material -							
Angle bars, tie plates, rail joints ...	U.S.A.	731	...	...	1,257	...	...
Intersections, switches, frogs	U.S.A.	12	...	...	22	...	...

Published by Authority of the HON. JAMES A. MacKINNON, M.P.
Minister of Trade and CommerceMC28-20-11-46
Price -
10 cents.DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL STATISTICS
OTTAWA - CANADA

Dominion Statistician:	Herbert Marshall, O.B.E., B.A., F.S.S.
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MONTHLY REPORTONPRIMARY IRON AND STEEL IN CANADAAUGUST, 1946

Shipments of primary shapes by Canadian steel mills totalled 65,824 net tons in August compared with 126,763 net tons in July, and 220,715 net tons in June. The August total included 2,119 tons of semi-finished shapes; 292 tons of structurals; 3,144 tons of plates; 89 tons of track materials; 18,173 tons of bars; 8,606 tons of pipes and tubes; 1,103 tons of wire rods; 1,436 tons of black sheets; 784 tons of galvanized sheets; 408 tons of tool steel; 6,227 tons of cuttings, and 23,443 tons of other shapes.

Of the August shipments, 8,280 tons went direct to railways and railway car shops, 3,788 tons to pressing, forming and stamping plants, 3,326 tons to merchant trade products, 5,298 tons to building construction, 8,194 tons to the containers industry, 1,962 tons to agricultural equipment, 1,963 tons to the automotive industry, 4,818 tons to machinery plants, 603 tons to shipbuilding, 2,230 tons to mining, lumbering, etc., and 1,671 tons to miscellaneous industries. Wholesalers and warehousing accounted for 11,228 tons, producers' interchange for 10,945 tons, and exports for 1,518 tons.

Table 1 - PRODUCTION OF PIG IRON IN CANADA, AUGUST AND YEAR TO DATE, 1946

	August	Year to Date
	(Tons of 2,000 pounds)	
Basic	34,027	793,633
Foundry .....	...	103,307
Malleable	12,467	90,048
TOTAL	46,494	986,988

Table 2 - PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA, AUGUST AND YEAR TO DATE, 1946

	A u g u s t		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	51,884	2,313	1,343,228	40,012
Electric	24,681	3,829	199,761	33,256
Total Ingots	76,565	6,142	1,542,989	73,268
Steel castings	4,753	1,102	47,398	9,868
TOTAL INGOTS AND CASTINGS	81,318	7,244	1,590,387	83,136

Table 3 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, AUGUST AND YEAR TO DATE, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
(Tons of 2,000 pounds)				
<u>August, 1946</u>				
Billets, etc., for forging	1,922	1,922	135	135
Other semi-finished shapes, not for re-rolling by makers	18	45	71	17
Structural shapes and piling	304	292	...	...
Plates	10,156	3,144	15	...
Rails .....	...	...	...	...
Tie plates and track material -				
Splice bars .....	...	...	...	...
Tie plates .....	...	...	...	...
Spikes	72	89	...	...
Tool Steel	227	226	199	182
Hot rolled bars for forging	311	1,750	1,476	...
Concrete reinforcing bars	2,980	3,175	...	...
Hot rolled bars for cold finishing	43	42	...	...
Other hot rolled bars	15,712	10,974	2,305	2,232
Pipes and tubes	8,942	8,606	...	...
Wire rods	4,385	1,103	...	...
Hot rolled black sheets	756	17	...	...
Cold reduced black sheets	1,419	1,419	...	...
Galvanized sheets	452	784	...	...
Steel castings - Made by ingot makers	1,012	1,443	80	38
Made in other foundries	3,741	3,701	1,022	1,045
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	24,638	23,328	125	115
TOTAL	77,090	62,060	5,428	3,764

Eight Months Ended August, 1946

Billets, etc., for forging	36,078	37,417	2,186	2,606
Other semi-finished shapes, not for re-rolling by makers	176,111	187,187	817	646
Structural shapes and piling	82,405	84,833	...	...
Plates	133,787	120,741	21	...
Rails	169,700	166,191	...	...
Tie plates and track material	46,073	49,039	...	...
Tool steel	1,735	1,653	1,661	1,582
Hot rolled bars for forging	36,304	34,334	14,411	13,565
Concrete reinforcing bars	34,494	32,451	...	...
Hot rolled bars for cold finishing	5,805	5,984	173	77
Other hot rolled bars	225,059	216,852	17,288	16,469
Pipes and tubes	83,477	93,150	...	...
Wire rods	150,717	152,626	103	83
Hot rolled black sheets	90,406	88,924	...	...
Cold reduced black sheets	13,229	13,229	...	...
Galvanized sheets	42,360	42,319	...	...
Steel castings - Made by ingot makers	25,690	25,737	6,982	6,292
Made in other foundries	21,221	19,630	3,256	3,127
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	239,201	236,094	1,050	1,024
TOTAL	1,613,852	1,608,391	47,948	45,471

Table 4 - PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SUBDIVIDED ACCORDING TO PRINCIPAL CONSUMING INDUSTRIES, AUGUST AND YEAR TO DATE, 1946

Industry	A u g u s t		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	1,006	957	32,103	22,813
Agricultural, including farm machinery	1,942	20	61,426	753
Building construction	5,183	115	113,346	467
Containers industry	8,192	2	112,240	61
Machinery and tools	4,310	508	59,407	4,277
Merchant trade products	3,291	35	156,568	384
Mining, lumbering, etc.	1,694	536	42,449	4,248
National defence	183	3	1,746	9
Pressing, forming and stamping	3,676	112	56,206	700
Public works and utilities	1,034	37	15,827	355
Railway operating	4,616	221	224,196	1,764
Railway cars and locomotives	3,421	22	93,553	1,540
Shipbuilding	533	70	31,921	269
Miscellaneous and unclassified	353	61	14,387	445
Sub-total	39,434	2,699	1,015,375	38,085
Wholesalers and warehouses	11,104	124	178,105	1,747
Producers' interchange	10,944	1	309,408	1,031
Direct export (a) to British Empire	309	54	68,251	595
(b) to other countries	269	886	37,249	4,013
TOTAL SHIPMENTS	62,060	3,764	1,608,388	45,471

Note: The above figures include steel castings shipped by all foundries.

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, AUGUST AND YEAR TO DATE, 1946

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Pig Iron -							
Foundry	U.S.A.	144	...	...	5,560	...	...
Malleable	U.S.A.	...	...	...	1,789	...	...
Silvery	U.S.A.	156	...	...	578	...	...
Ingots	U.S.A.	61	...	...	884	...	...
Blooms, billets and slabs	U.S.A.	486	...	...	902	7	...
	Sweden	...	...	...	6	...	...
Bars -							
Hot rolled	U.S.A.	3,382	842	1.9	22,833	4,064	50.1
	England	1	...	5.1	303	40	26.7
	Sweden	...	...	...	79	...	9.3
For agricultural implements	U.S.A.	1,519	...	...	7,220	1	...
Rounds over 4 7/8", squares over 4" ..	U.S.A.	196	18	...	896	85	...
	England	39	...	...	193	...	1.2
Angles, channels, etc.	U.S.A.	240	...	.4	2,193	10	2.1
Sash or casement sections	U.S.A.	125	...	...	1,449	...	...
Cold finished	U.S.A.	1,478	50	25.8	6,840	201	70.0
	England	59	...	.5	72	...	15.4
Cold finished for agricultural implements	U.S.A.	423	...	...	1,779	...	...
Tool steel	U.S.A.	8	31	...	107	319	...
	England	52	20	...	140	312	...
	Sweden	...	...	...	...	7	...
Structurals	U.S.A.	8,611	29	...	46,578	52	...
	England	1,414	...	...	1,424	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, AUGUST AND YEAR TO DATE, 1946 (Continued)

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Plates -							
78" and under	U.S.A.	6,130	8	11.3	17,250	44	147.5
	England	...	...	...	...	...	3.2
Over 78" and under 100"	U.S.A.	1,238	...	8.6	8,590	...	19.1
Over 100"	U.S.A.	173	...	5.0	1,877	...	9.4
Flanged, dished or curved	U.S.A.	53	...	...	164	...	...
Boilers, pulp digesters, etc.	U.S.A.	351	...	...	1,422	...	...
Chequered, or surface pattern	U.S.A.	550	...	...	2,542	1	...
	England	...	...	...	168	...	...
For agricultural implements	U.S.A.	...	...	...	92	...	...
Cold rolled for saws	U.S.A.	...	...	...	...	1	...
Galvanized	U.S.A.	84	...	...	190	...	...
Stainless	England	...	...	...	...	...	5.0
Sheets -							
Silicon .075 or more	U.S.A.	...	1,679	...	...	10,593	...
Galvanized	U.S.A.	637	...	...	4,665	...	...
	England	...	...	...	106	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	5,328	53	...	37,967	53	...
Lighter than 18 gauge	U.S.A.	403	...	...	2,268	...	...
	England	87	2	...	497	2	...
For hollow ware (vitreous enamel)	U.S.A.	432	...	...	4,373	...	...
	England	...	...	...	89	...	...
5¢ per pound and over	U.S.A.	4	...	...	46	3	...
Corrugated	U.S.A.	54	...	...	250	...	...
Coated with paint, asphaltum, vitreous enamel, etc.	U.S.A.	16	...	...	135	...	...
Shaped for agricultural implements	U.S.A.	222	6	...	912	115	...
For saws	U.S.A.	1	61	...	255	532	...
For cold rolled strip	U.S.A.	41	...	...	456	...	...
Stainless	U.S.A.	...	...	13.5	...	...	133.2
	England	...	...	14.6	...	...	78.0
Cold rolled -							
18 gauge and heavier	U.S.A.	1,134	...	...	7,766	...	...
Lighter than 18 gauge	U.S.A.	2,254	...	...	19,993	...	...
	England	5	...	...	261	...	...
For hollow ware (vitreous enamel)	U.S.A.	117	...	...	809	...	...
5¢ per pound and over	U.S.A.	...	...	...	1	...	...
Black plate (tin mill)	U.S.A.	915	...	...	11,283	...	...
For heating apparatus	U.S.A.	59	...	...	121	...	...
For saws	U.S.A.	...	2	...	4	4	...
	Sweden	...	...	...	4	2	...
For skelp	U.S.A.	254	...	...	2,079	...	...
Stainless	U.S.A.	...	...	143.4	...	...	1,065.8
	England	...	...	...	...	...	16.8
Black plate -							
For tinning	U.S.A.	52	...	...	33,532	...	...
Tin plate -							
Primes	U.S.A.	3,952	...	...	20,196	...	...
	England	1	...	...	164	...	...
Seconds	England	2	...	...	37	...	...
Waste waste	U.S.A.	17	...	...	232	...	...
Electrolytic - Primes (25#)	U.S.A.	122	...	...	124	...	...
Primes (50#)	U.S.A.	3	...	...	110	...	...
Primes (75#)	U.S.A.	3	...	...	3	...	...
Waste waste	U.S.A.	43	...	...	226	...	...
Terne plate -							
Long	U.S.A.	302	...	...	2,529	...	...
Short	U.S.A.	1,134	...	...	11,205	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, AUGUST AND YEAR TO DATE, 1946 (Continued)

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less

(All figures in net tons of 2,000 pounds)

Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,360	211	...	7,654	235	...
	England	...	...	...	41	...	...
	Sweden	...	...	...	2	...	...
Lighter than 18 gauge	U.S.A.	192	...	...	1,156	332	...
	Sweden	...	...	...	12	...	...
For cold rolling	U.S.A.	704	...	...	5,050	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	52	...	...	649	...	...
5½ per pound and over	U.S.A.	...	...	...	28	14	...
Painted	U.S.A.	381	...	...	2,416	...	...
For saws	U.S.A.	...	14	...	52	151	...
For motor vehicles	U.S.A.	730	...	...	4,448	...	...
For barrel hoops	U.S.A.	147	...	...	439	...	...
Silicon .075 or more	U.S.A.	...	...	...	...	567	...
Stainless	U.S.A.	...	...	.8	...	...	19.2
	England	...	...	...	...	...	.2
Cold rolled -							
18 gauge and heavier	U.S.A.	324	1	...	1,952	1	...
Lighter than 18 gauge	U.S.A.	709	2	...	3,677	11	...
	Sweden	35	...	...	116	7	...
	England	...	...	...	26	...	...
For barrel hoops	U.S.A.	28	...	...	605	...	...
5½ per pound and over	U.S.A.	...	...	...	5	...	...
For shoe and corset laces, etc.	U.S.A.	40	...	...	273	...	...
Painted	U.S.A.	32	...	...	213	...	...
For butt hinges	U.S.A.	32	...	...	116	...	...
For saws	U.S.A.	2	9	...	33	87	...
	Sweden	...	23	...	26	61	...
For motor vehicles	U.S.A.	...	...	...	1	...	...
For pipes and tubes	U.S.A.	101	...	...	316	...	...
Stainless	U.S.A.	...	...	103.2	...	...	789.9
	England	...	...	.2	...	...	2.4
Silicon .075 or over	U.S.A.	...	485	...	...	829	...
Galvanized strip	U.S.A.	489	...	...	3,458	...	...
Skelp -							
Over 14" wide	U.S.A.	700	...	...	3,841	...	...
Under 14" wide	U.S.A.	4,782	...	...	31,355	...	...
Pipe -							
Cast	U.S.A.	23	...	1.3	55	...	1.3
Boiler and pulp mill digesters	U.S.A.	1,123	82	3.5	7,863	117	4.8
Bedstead	U.S.A.	23	...	...	344	...	...
	England	...	...	...	1	...	...
Seamless	U.S.A.	657	14	11.9	3,926	104	75.4
	England	17	5	1.1	148	64	17.8
Wrought -							
More than 10½" diameter	U.S.A.	103	...	...	3,734	...	...
Under 10½" diameter	U.S.A.	811	...	1.6	7,973	24	17.0
	England	...	...	...	1	...	...
Stainless	U.S.A.	...	...	...	...	...	5.2
Tubing -							
Not over ½" diameter	U.S.A.	8	...	...	49	...	...
Casing	U.S.A.	114	...	...	2,181	...	...
Fittings and couplings	U.S.A.	198	...	.2	1,101	...	4.7

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, AUGUST AND YEAR TO DATE, 1946 (Concluded)

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(All figures in net tons of 2,000 pounds)					
Wire rope	U.S.A.	18	...	...	201	...	1.7
	England	13	...	...	37	...	...
Wire -							
For wire rope	U.S.A.	467	...	4.5	4,621	...	7.1
	England	251	...	...	2,110	...	.2
For fencing	U.S.A.	82	...	...	514	...	...
For corset laces, steels and stays	U.S.A.	9	...	...	114	...	...
	England	2	...	...	2	...	...
For wire springs, mattress, etc.	U.S.A.	48	...	...	258	...	...
	England	11	...	...	11	...	...
Netting	U.S.A.	31	...	...	615	...	.1
	England	90	...	...	168	...	...
Coated	U.S.A.	37	...	...	266	...	...
All other	U.S.A.	593	1	.5	1,688	14	5.8
	England	1	...	...	3	...	...
Stainless	U.S.A.	...	...	...	...	...	.9
Wire rods	U.S.A.	203	...	...	833	...	1.0
Welding rods	U.S.A.	38	10	2.5	140	39	30.9
	England	...	...	.1	...	...	.1
Castings -							
For agricultural implements	U.S.A.	90	...	...	998	...	...
For ingot moulds	U.S.A.	333	...	...	7,947	...	...
Malleable	U.S.A.	71	...	...	621	...	...
	England	...	...	...	4	...	...
Non-malleable	U.S.A.	149	...	...	1,642	...	...
Steel	U.S.A.	41	6	2.6	377	52	6.6
For railway vehicles	U.S.A.	204	...	...	870	...	...
Semi-finished piston	U.S.A.	1	...	...	69	...	...
Rolls	U.S.A.	6	55	...	1,221	573	...
	England	...	...	...	2	...	...
Stainless	U.S.A.	...	...	...	...	...	10.5
Forgings	England	...	...	...	1	89	...
	U.S.A.	78	13	.2	1,021	155	1.3
Wheels -							
Cast iron	U.S.A.	99	...	...	704	...	...
	England	216	...	...	604	...	...
Pressed	England	...	...	...	621	...	...
	U.S.A.	14	...	...	66	...	...
Tires -							
Steel	U.S.A.	525	...	...	5,724	...	...
	England	75	...	...	793	64	...
Axles -							
For railway vehicles	U.S.A.	99	...	...	323	...	...
For all vehicles other than railways ..	U.S.A.	...	...	...	379	...	...
Rails -							
60 lbs. and under	U.S.A.	22	...	...	63	...	...
Over 60 lbs. and under 100 lbs.	U.S.A.	8	...	...	1,448	...	...
Over 100 lbs.	U.S.A.	40	...	...	116	...	...
Grooved - electric tramways	U.S.A.	77	...	...	1,279	...	...
Track material -							
Angle bars, tie plates, rail joints ...	U.S.A.	227	...	...	1,484	...	...
Intersections, switches, frogs	U.S.A.	2	...	...	24	...	...

41-001

DEPT. OF POLITICAL SCIENCE
UNIVERSITY OF TORONTO

Published by Authority of the HON. JAMES A. MACKINNON, M.P.
Minister of Trade and Commerce

MC28-20-11-46
Price -
10 cents

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MONTHLY REPORT

on

PRIMARY IRON AND STEEL IN CANADA

SEPTEMBER, 1946

Shipments of primary shapes by Canadian steel mills totalled 72,070 net tons in September compared with 65,824 net tons in August and 126,763 net tons in July. The September total included 2,815 tons of semi-finished shapes, 1,085 tons of structurals, 3,184 tons of plates, 21,948 tons of bars, 9,109 tons of pipes and tubes, 2,480 tons of wire rods, 1,586 tons of black sheets, 206 tons of galvanized sheets, 465 tons of tool steel, 5,572 tons of castings, and 23,620 tons of other shapes.

Of the September shipments, 7,219 tons went direct to railways and railway car shops, 4,166 tons to pressing, forming and stamping plants, 5,047 tons to merchant trade products, 7,178 tons to building construction, 8,489 tons to the containers industry, 1,877 tons to agricultural equipment, 1,979 tons to the automotive industry, 5,378 tons to machinery plants, 367 tons to shipbuilding, 2,817 tons to mining, lumbering, etc., and 2,272 tons to miscellaneous industries. Wholesalers and warehousing accounted for 12,973 tons, producers' interchange for 10,929 tons, and exports for 1,379 tons.

Table 1 - PRODUCTION OF PIG IRON IN CANADA, SEPTEMBER, AND YEAR TO DATE, 1946

	September	Year to Date
	(Tons of 2,000 pounds)	
Basic	51,900	825,533
Foundry .....	...	103,307
Malleable	13,178	103,226
TOTAL	45,078	1,032,066

Table 2 - PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA, SEPTEMBER, AND YEAR TO DATE, 1946

	September		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	46,240	...	1,389,468	40,012
Electric	20,714	4,408	220,475	37,664
Total Ingots	66,954	4,408	1,609,943	77,676
Steel castings	3,948	1,274	51,346	11,142
TOTAL INGOTS AND CASTINGS	70,902	5,682	1,661,289	88,818

Table 3 PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SEPTEMBER, AND YEAR TO DATE, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
(Tons of 2,000 pounds)				
<u>September, 1946</u>				
Billets, etc., for forging	2,644	2,644	106	106
Other semi-finished shapes, not for re-rolling by makers	223	47	60	18
Structural shapes and piling	1,065	1,085	...	...
Plates	4,344	3,184	...	...
Rails .....	...	...	...	...
Tie plates and track material -				
Splice bars .....	...	...	...	...
Tie plates .....	...	...	...	...
Spikes .....	...	...	...	...
Tool steel	225	216	311	249
Hot rolled bars for forging	2,441	3,117	352	...
Concrete reinforcing bars	6,483	5,906	...	...
Hot rolled bars for cold finishing .....	...	...	...	...
Other hot rolled bars	11,584	10,970	2,044	1,955
Pipes and tubes	6,098	9,109	...	...
Wire rods	2,669	2,480	...	...
Hot rolled black sheets	124	64	...	...
Cold reduced black sheets	1,522	1,522	...	...
Galvanized sheets .....	...	206	...	...
Steel castings - Made by ingot makers	319	379	27	83
Made in other foundries	3,129	3,225	1,247	1,285
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	23,699	23,497	125	123
TOTAL	67,069	68,251	4,272	3,819

Nine Months Ended September, 1946

Billets, etc., for forging	38,722	40,061	2,292	2,712
Other semi-finished shapes, not for re-rolling by makers	176,334	187,234	877	664
Structural shapes and piling	83,470	85,918	...	...
Plates	138,131	123,925	21	...
Rails	169,700	166,191	...	...
Tie plates and track material	46,073	49,039	...	...
Tool steel	1,960	1,869	1,972	1,831
Hot rolled bars for forging	38,745	37,451	14,763	13,565
Concrete reinforcing bars	40,977	38,357	...	...
Hot rolled bars for cold finishing	5,805	5,984	173	77
Other hot rolled bars	236,643	227,822	19,332	18,424
Pipes and tubes	89,575	102,259	...	...
Wire rods	153,386	155,106	103	83
Hot rolled black sheets	90,530	88,988	...	...
Cold reduced black sheets	14,751	14,751	...	...
Galvanized sheets	42,360	42,525	...	...
Steel castings - Made by ingot makers	26,509	26,716	7,009	6,375
Made in other foundries	24,350	22,855	4,503	4,412
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	262,900	259,591	1,175	1,147
TOTAL	1,680,921	1,676,642	52,220	49,290

Table 4 - PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SUBDIVIDED ACCORDING TO PRINCIPAL CONSUMING INDUSTRIES, SEPTEMBER, AND YEAR TO DATE, 1946

Industry	September		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	1,046	935	33,149	23,746
Agricultural, including farm machinery	1,864	13	63,290	766
Building construction	7,129	49	120,475	516
Containers industry	8,485	4	120,725	65
Machinery and tools	4,790	588	64,197	4,865
Merchant trade products	5,025	22	161,593	406
Mining, lumbering, etc.	2,154	663	44,603	4,911
National defence	207	3	1,953	12
Pressing, forming and stamping	4,084	82	60,290	782
Public works and utilities	1,423	62	17,250	417
Railway operating	3,315	328	228,111	2,092
Railway cars and locomotives	2,947	29	96,500	1,569
Shipbuilding	331	36	32,252	305
Miscellaneous and unclassified	509	68	14,896	513
Sub-total	43,909	2,880	1,059,284	40,965
Wholesalers and warehouses	12,810	163	190,915	1,910
Producers' interchange	10,895	34	320,303	1,065
Direct export (a) to British Empire	236	105	68,487	700
(b) to other countries	401	637	37,650	4,650
TOTAL	68,251	3,819	1,676,639	49,290

Note: The above figures include steel castings shipped by all foundries.

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, SEPTEMBER, AND YEAR TO DATE, 1946

Commodity	Country of Origin	September			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Pig Iron -							
Foundry	U.S.A.	647	...	...	6,207	...	...
Malleable	U.S.A.	...	...	...	1,789	...	...
Silvery	U.S.A.	96	...	...	674	...	...
Ingots	U.S.A.	75	139	...	959	139	...
Blooms, billets and slabs	U.S.A.	5	...	...	425	7	...
	Sweden	...	...	...	6	...	...
Tube rounds and tube billets (O.H.)	U.S.A.	536	...	...	1,018	...	...
Bars -							
Hot rolled	U.S.A.	5,238	1,549	3.1	28,071	5,613	53.2
	England	13	...	4.8	316	40	31.5
	Sweden	2	...	...	81	...	9.3
For agricultural implements	U.S.A.	2,321	143	...	9,541	144	...
Rounds over 4 7/8", squares over 4" ...	U.S.A.	229	7	.2	1,125	92	.2
	England	...	...	...	193	...	1.2
Angles, channels, etc.	U.S.A.	365	...	2.1	2,558	10	4.2
Sash or casement sections	U.S.A.	90	...	...	1,539	...	...
Cold finished	U.S.A.	1,980	6	9.5	8,820	207	79.5
	England	2	...	...	74	...	15.4
Cold finished for agricultural implements	U.S.A.	480	9	...	2,259	9	...
Tool steel	U.S.A.	12	32	...	119	351	...
	England	14	14	...	154	326	...
	Sweden	...	...	...	...	7	...
Structurals	U.S.A.	11,139	45	...	57,717	97	...
	England	10	...	...	1,434	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, SEPTEMBER, AND YEAR TO DATE, 1946 (Continued)

Commodity	Country of Origin	September			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Plates - 78" and under	U.S.A.	2,880	6	21.3	20,130	50	168.8
	England	...	...	.4	...	...	3.6
Over 78" and under 100"	U.S.A.	919	...	5.2	9,509	...	24.3
Over 100"	U.S.A.	346	...	...	2,223	...	9.4
Flanged, dished or curved	U.S.A.	36	...	...	200	...	...
Boilers, pulp digesters, etc. ..	U.S.A.	512	...	...	1,934	...	...
Chequered, or surface pattern ..	U.S.A.	423	...	...	2,965	1	...
	England	...	...	...	168	...	...
For agricultural implements	U.S.A.	...	...	...	92	...	...
Cold rolled for saws	U.S.A.	1	...	...	1	1	...
Galvanized	U.S.A.	23	...	...	213	...	...
Stainless	England	...	...	...	...	...	5.0
Painted and tar asphaltum	U.S.A.	3	...	...	3	...	...
Sheets - Silicon .075 or more	U.S.A.	...	1,313	...	...	11,906	...
Galvanized	U.S.A.	1,104	...	...	5,769	...	...
	England	33	...	...	139	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	5,333	1	...	43,300	54	...
Lighter than 18 gauge	U.S.A.	84	...	...	2,352	...	...
	England	...	...	...	497	2	...
For hollow ware (vitreous enamel)	U.S.A.	438	...	...	4,811	...	...
	England	...	...	...	89	...	...
5¢ per pound and over	U.S.A.	4	...	...	50	3	...
Corrugated	U.S.A.	74	...	...	324	...	...
Coated with paint, asphaltum, vitreous enamel, etc.	U.S.A.	90	...	...	225	...	...
Shaped for agricultural implements	U.S.A.	94	...	...	1,006	115	...
For saws	U.S.A.	40	42	...	295	574	...
For cold rolled strip	U.S.A.	233	...	...	689	...	...
Stainless	U.S.A.	...	...	20.2	...	...	153.4
	England	...	...	10.4	...	...	88.4
Cold rolled -							
18 gauge and heavier	U.S.A.	982	...	...	8,748	...	...
Lighter than 18 gauge	U.S.A.	2,419	...	...	22,412	...	...
	England	...	...	...	261	...	...
For hollow ware (vitreous enamel)	U.S.A.	40	...	...	849	...	...
5¢ per pound and over	U.S.A.	...	...	...	1	...	...
Black plate (tin mill)	U.S.A.	844	...	...	12,127	...	...
For heating apparatus	U.S.A.	51	...	...	172	...	...
For saws	U.S.A.	...	...	...	4	4	...
	Sweden	...	...	...	4	2	...
For skelp	U.S.A.	247	...	...	2,326	...	...
Stainless	U.S.A.	...	...	161.3	...	...	1,228.1
	England	...	...	...	...	...	16.8
Black plate - For tinning	U.S.A.	156	...	...	33,688	...	...
Tin plate - Primes	U.S.A.	6,090	...	...	26,286	...	...
	England	51	...	...	215	...	...
Seconds	England	8	...	...	45	...	...
Waste waste	U.S.A.	...	...	...	232	...	...
Electrolytic - Primes (25#) ..	U.S.A.	638	...	...	762	...	...
" (50#) ..	U.S.A.	...	...	...	110	...	...
" (75#) ..	U.S.A.	...	...	...	3	...	...
Waste waste ..	U.S.A.	...	...	...	226	...	...
Terne plate -							
Long	U.S.A.	354	...	...	2,883	...	...
Short	U.S.A.	240	...	...	11,445	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, SEPTEMBER, AND YEAR TO DATE, 1946 (Continued)

Table 3 - IMPORTS OF PRINCIPAL FORMS OF IRON AND STEEL, BY ORIGIN, AND YEAR TO DATE, 1934 (Continued)							
Commodity	Country of Origin	September			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,559	...	...	9,213	235	...
	England	...	...	...	41	...	...
	Sweden	...	...	...	2	...	...
Lighter than 18 gauge	U.S.A.	155	...	...	1,511	332	...
	Sweden	...	...	...	12	...	...
For cold rolling	U.S.A.	799	...	...	5,849	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	64	...	...	713	...	...
5¢ per pound and over	U.S.A.	2	...	...	30	14	...
Painted	U.S.A.	477	...	...	2,893	...	...
For saws	U.S.A.	37	39	...	89	190	...
For motor vehicles	U.S.A.	524	...	...	4,372	...	...
For barrel hoops	U.S.A.	116	...	...	555	...	...
Silicon .075 or more	U.S.A.	...	27	...	...	594	...
Stainless	U.S.A.	...	...	1.3	...	...	20.5
	England	...	...	...	...	...	.2
Cold rolled -							
18 gauge and heavier	U.S.A.	333	1	...	2,285	2	...
Lighter than 18 gauge	U.S.A.	499	1	...	4,126	12	...
	Sweden	23	...	...	139	7	...
	England	...	...	...	26	...	...
For barrel hoops	U.S.A.	...	...	...	605	...	...
5¢ per pound and over	U.S.A.	...	...	...	5	...	...
For shoe and corset laces, etc.	U.S.A.	53	...	...	326	...	...
Painted	U.S.A.	26	...	...	239	...	...
For butt hinges	U.S.A.	...	...	...	116	...	...
For saws	U.S.A.	3	19	...	36	106	...
	Sweden	...	13	...	26	74	...
For motor vehicles	U.S.A.	...	...	...	1	...	...
For pipes and tubes	U.S.A.	...	...	...	316	...	...
Stainless	U.S.A.	...	...	90.6	...	...	880.5
	England	...	...	1.0	...	...	3.4
Silicon .075 or over	U.S.A.	...	127	...	...	956	...
Galvanized strip	U.S.A.	415	...	...	3,873	...	...
Skelp - Over 14" wide	U.S.A.	375	...	...	4,216	...	...
Under 14" wide	U.S.A.	3,546	...	...	34,901	...	...
Pipe -							
Cast	U.S.A.	44	...	...	99	...	1.3
Boiler and pulp mill digesters	U.S.A.	1,192	23	...	9,055	140	4.8
Bedstead	U.S.A.	57	...	...	401	...	...
	England	...	...	...	1	...	...
Seamless	U.S.A.	453	101	9.3	4,379	205	84.7
	England	18	3	1.6	166	67	19.4
Wrought -							
More than 10½" diameter	U.S.A.	453	...	...	4,187	...	...
Under 10½" diameter	U.S.A.	1,110	...	1.4	9,083	24	18.4
	England	...	...	...	1	...	...
Stainless	U.S.A.	...	...	...	...	...	5.2
Tubing -							
Not over ½" diameter	U.S.A.	4	...	...	53	...	...
Casing	U.S.A.	...	...	...	2,181	...	...
Fittings and couplings	U.S.A.	118	...	.4	1,219	...	5.1

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, SEPTEMBER, AND YEAR TO DATE, 1946 (Concluded)

Commodity	Country of Origin	September			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Wire rope	U.S.A.	9	...	...	210	...	1.7
	England	...	...	...	37	...	...
Wire -							
For wire rope	U.S.A.	430	...	1.4	5,051	...	8.5
	England	80	...	...	2,190	...	.2
For fencing	U.S.A.	85	...	...	599	...	...
For corset laces, steels and stays	U.S.A.	9	...	...	123	...	...
	England	...	...	...	2	...	...
For wire springs, mattress, etc.	U.S.A.	114	...	...	372	...	...
	England	...	...	...	11	...	...
Netting	U.S.A.	61	...	...	676	...	.1
	England	25	...	...	193	...	...
Coated	U.S.A.	59	...	...	325	...	...
All other	U.S.A.	960	4	.7	2,648	18	6.5
	England	...	...	...	3	...	...
Stainless	U.S.A.	...	...	...	...	...	.9
Wire rods	U.S.A.	30	...	...	863	...	1.0
Welding rods	U.S.A.	23	28	1.9	163	67	32.8
	England	...	...	...	...	...	.1
Castings -							
For agricultural implements	U.S.A.	54	...	...	1,052	...	...
For ingot moulds	U.S.A.	950	...	...	8,897	...	...
Malleable	U.S.A.	135	...	...	756	...	...
	England	...	...	...	4	...	...
Non-malleable	U.S.A.	71	...	...	1,713	...	...
Steel	U.S.A.	36	2	2.0	413	54	8.6
For railway vehicles	U.S.A.	75	...	...	945	...	...
Semi-finished piston	U.S.A.	...	...	...	69	...	...
Rolls	U.S.A.	...	34	...	1,221	607	...
	England	...	...	...	2	...	...
Stainless	U.S.A.	...	...	...	...	...	10.5
Forgings	England	...	33	...	1	122	...
	U.S.A.	16	15	...	1,037	170	1.3
Wheels -							
Cast iron	U.S.A.	210	...	...	914	...	...
	England	...	...	...	604	...	...
Pressed	England	...	...	...	621	...	...
	U.S.A.	12	...	...	78	...	...
Tires -							
Steel	U.S.A.	277	...	...	6,001	...	...
	England	414	...	...	1,207	64	...
Axles -							
For railway vehicles	U.S.A.	50	...	...	373	...	...
For all vehicles other than railways ..	U.S.A.	2	...	...	381	...	...
Rails -							
60 pounds and under	U.S.A.	11	...	...	74	...	...
Over 60 pounds and under 100 pounds ...	U.S.A.	27	...	...	1,475	...	...
Over 100 pounds	U.S.A.	...	...	...	116	...	...
Grooved - electric tramways	U.S.A.	204	...	...	1,483	...	...
Track material -							
Angle bars, tie plates, rail joints ...	U.S.A.	73	1,557
Intersections, switches, frogs	U.S.A.	5	29

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Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - CanadaDominion Statistician:
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W. H. Losee
H. McLeodMonthly ReportonPRIMARY IRON AND STEEL IN CANADAOctober, 1946

Shipments of primary shapes by Canadian steel mills totalled 172,580 net tons in October compared with 72,070 net tons in September and 65,824 tons in August. The October total included 10,734 tons of semi-finished shapes, 9,255 tons of structurals, 22,110 tons of plates, 42,941 tons of bars, 10,458 tons of pipes and tubes, 16,272 tons of wire rods, 9,431 tons of black sheets, 1,681 tons of galvanized sheets, 448 tons of tool steel, 6,336 tons of castings, and 42,914 tons of other shapes.

Of the October shipments, 15,245 tons went direct to railways and railway car shops, 7,255 tons to pressing, forming and stamping plants, 19,294 tons to merchant trade products, 23,352 tons to building construction, 16,310 tons to the containers industry, 6,118 tons to agricultural equipment, 8,011 tons to the automotive industry, 12,496 tons to machinery plants, 3,664 tons to shipbuilding, 5,984 tons to mining, lumbering, etc., and 2,379 tons to miscellaneous industries. Wholesalers and warehousing accounted for 19,769 tons, producers' interchange for 25,484 tons, and exports for 7,219 tons.

Table 1 - Production of Pig Iron in Canada, October and Year to Date, 1946

	October	Year to Date
	(Tons of 2,000 pounds)	
Basic	53,008	878,541
Foundry	7,364	110,671
Malleable	14,586	117,812
Total	74,958	1,107,024

Table 2 - Production of Steel Ingots and Castings in Canada, October, and Year to Date, 1946

	October		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	83,956	2,406	1,473,424	42,418
Electric	27,585	3,722	248,060	41,336
Total Ingots	111,541	6,128	1,721,484	83,804
Steel castings	4,637	1,613	55,983	12,755
Total Ingots and Castings	116,178	7,741	1,777,467	96,559

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, October, and Year to Date, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
(Tons of 2,000 pounds)				
<u>October, 1946</u>				
Billets, etc., for forging	4,015	4,987	396	435
Other semi-finished shapes, not for re-rolling by makers	7,260	5,189	161	123
Structural shapes and piling	9,823	9,255	...	...
Plates	11,546	22,110	...	...
Rails	1,775	5,964	...	...
Tie plates and track material -				
Splice bars .....	...	824	...	...
Tie plates	2,634	2,076	...	...
Spikes	700	579	...	...
Tool steel	248	149	405	299
Hot rolled bars for forging	4,841	4,921	1,285	3,076
Concrete reinforcing bars	5,925	5,813	...	...
Hot rolled bars for cold finishing	172	160	...	...
Other hot rolled bars	24,652	26,073	3,173	2,898
Pipes and tubes	12,766	10,458	...	...
Wire rods	13,017	16,252	17	20
Hot rolled black sheets	7,744	7,178	...	...
Cold reduced black sheets	2,253	2,253	...	...
Galvanized sheets	2,046	1,681	...	...
Steel castings - Made by ingot makers	932	1,077	39	37
Made in other foundries	3,705	3,788	1,574	1,434
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	30,925	33,312	164	159
Total	146,979	164,099	7,214	8,481
<u>Ten Months Ended October, 1946</u>				
Billets, etc., for forging	42,737	45,048	2,688	3,147
Other semi-finished shapes, not for re-rolling by makers	183,594	192,423	1,038	787
Structural shapes and piling	93,293	95,173	...	...
Plates	149,677	146,035	21	...
Rails	171,475	172,155	...	...
Tie plates and track material	49,407	52,518	...	...
Tool steel	2,208	2,018	2,377	2,130
Hot rolled bars for forging	43,586	42,372	16,048	16,641
Concrete reinforcing bars (x)	46,917	44,170	...	...
Hot rolled bars for cold finishing	5,977	6,144	173	77
Other hot rolled bars (x)	259,421	252,021	22,505	21,322
Pipes and tubes	102,341	112,717	...	...
Wire rods	166,403	171,358	120	103
Hot rolled black sheets	98,274	96,166	...	...
Cold reduced black sheets	17,004	17,004	...	...
Galvanized sheets	44,406	44,206	...	...
Steel castings - Made by ingot makers	14,620	13,763	417	379
Made in other foundries	40,896	40,673	12,708	11,879
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	293,825	292,903	1,339	1,306
Total	1,826,061	1,838,867	59,434	57,771

(x) Revised.

Table 4 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, October and Year to Date, 1946

Industry	October		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	3,995	4,016	37,144	27,762
Agricultural, including farm machinery	6,068	50	69,358	816
Building construction	23,255	97	143,730	613
Containers industry	16,305	5	137,030	70
Machinery and tools	11,713	783	75,910	5,648
Merchant trade products	19,147	147	178,866	553
Mining, lumbering, etc.	4,763	1,221	49,366	6,132
National defence	136	1	2,089	13
Pressing, forming and stamping	7,127	128	67,417	910
Public works and utilities	1,392	56	18,642	473
Railway operating	8,232	229	236,343	2,321
Railway cars and locomotives	6,767	17	103,267	1,586
Shipbuilding	3,631	33	35,833	338
Miscellaneous and unclassified	752	42	15,648	555
Sub-total	113,283	6,825	1,170,693	47,790
Wholesalers and warehouses	19,373	396	210,288	2,306
Producers' interchange	25,374	110	345,677	1,175
Direct export (a) to British Empire	195	91	68,682	791
(b) to other countries	5,874	1,059	43,524	5,709
Total	164,099	8,481	1,838,864	57,771

Note: The above figures include steel castings shipped by all foundries.

Table 5 - Imports of Primary Forms of Iron and Steel, October, and Year to Date, 1946

Table 3 - Imports of Primary Forms of Iron and Steel, October, and Year to Date, 1940							
Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Pig Iron -							
Foundry	U.S.A.	885	...	...	7,092	...	...
Malleable	U.S.A.	...	...	...	1,789	...	...
Silvery	U.S.A.	49	...	...	723	...	...
Ingots	U.S.A.	278	...	...	1,237	139	...
Blooms, billets and slabs	U.S.A.	222	95	...	647	102	...
	Sweden	...	...	...	6	...	...
Tube rounds and tube billets (O.H.)	U.S.A.	430	...	...	1,448	...	...
Bars -							
Hot rolled	U.S.A.	5,229	502	1.9	33,300	6,115	55.1
	England	5	82	8.6	321	122	40.1
	Sweden	...	...	...	81	...	9.3
For agricultural implements	U.S.A.	1,701	53	...	11,242	197	...
Rounds over 4 7/8", squares over 4" ...	U.S.A.	47	9	.2	1,172	101	.4
	England	...	...	...	193	...	1.2
Angles, channels, etc.	U.S.A.	312	...	3.0	2,870	10	7.2
Sash or casement sections	U.S.A.	169	...	...	1,708	...	...
Cold finished	U.S.A.	1,872	6	9.9	10,692	213	89.4
	England	46	...	31.3	120	...	46.7
Cold finished for agricultural implements	U.S.A.	700	1	...	2,959	10	...
Tool steel	U.S.A.	27	37	...	146	388	...
	England	21	39	...	175	365	...
	Sweden	...	...	...	...	7	...
Structurals	U.S.A.	11,992	...	9.9	69,709	97	9.9
	England	52	...	...	1,486	...	...

Table 5 - Imports of Primary Forms of Iron and Steel, October, and Year to Date, 1946 (Continued)

Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Plates - 78" and under	U.S.A.	3,041	2	13.7	23,171	52	182.5
	England	...	...	.7	...	...	4.3
Over 78" and under 100"	U.S.A.	1,419	...	22.3	10,928	...	46.6
Over 100"	U.S.A.	26	...	1.3	2,249	...	10.7
Flanged, dished or curved	U.S.A.	255	...	3.3	455	...	3.3
Boilers, pulp digesters, etc. ..	U.S.A.	521	...	...	2,455	...	...
	England	89	...	...	89	...	...
Chequered, or surface pattern ..	U.S.A.	694	...	...	3,659	1	...
	England	...	...	...	168	...	...
For agricultural implements	U.S.A.	...	...	...	92	...	...
Cold rolled for saws	U.S.A.	...	...	...	1	1	...
Galvanized	U.S.A.	...	...	...	213	...	...
Stainless	England	...	...	...	...	...	5.0
Painted and tar asphaltum	U.S.A.	...	...	...	3	...	...
Sheets - Silicon .075 or more	U.S.A.	...	1,769	...	...	13,675	...
Galvanized	U.S.A.	1,209	...	...	6,978	...	...
	England	...	...	...	139	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	5,745	...	...	49,045	54	...
Lighter than 18 gauge	U.S.A.	386	...	...	2,738	...	...
	England	...	...	...	497	2	...
For hollow ware (vitreous enamel)	U.S.A.	655	...	...	5,466	...	...
	England	...	...	...	89	...	...
5¢ per pound and over	U.S.A.	35	...	...	85	3	...
Corrugated	U.S.A.	40	...	...	364	...	...
Coated with paint, asphaltum, vitreous enamel, etc.	U.S.A.	67	...	...	292	...	...
Shaped for agricultural implements	U.S.A.	78	...	...	1,084	115	...
For saws	U.S.A.	20	67	...	315	641	...
For cold rolled strip	U.S.A.	...	...	...	689	...	...
Stainless	U.S.A.	...	...	61.3	...	...	214.7
	England	...	...	35.0	...	...	123.4
Cold rolled -							
18 gauge and heavier	U.S.A.	971	...	...	9,719	...	...
Lighter than 18 gauge	U.S.A.	2,763	...	...	25,175	...	...
	England	166	...	...	427	...	...
For hollow ware (vitreous enamel)	U.S.A.	77	...	...	926	...	...
5¢ per pound and over	U.S.A.	...	...	...	1	...	...
Black plate (tin mill)	U.S.A.	1,310	...	...	13,437	...	...
For heating apparatus	U.S.A.	254	...	...	426	...	...
Painted with tar, asphaltum, etc.	U.S.A.	93	...	...	93	...	...
For saws	U.S.A.	1	1	...	5	5	...
	Sweden	6	...	...	10	2	...
For skelp	U.S.A.	594	...	...	2,920	...	...
Stainless	U.S.A.	...	...	248.1	...	...	1,476.2
	England	...	...	...	...	...	16.8
Black plate - For tinning	U.S.A.	1,215	...	...	34,903	...	...
Tin plate - Primes	U.S.A.	4,518	...	...	30,804	...	...
	England	4	...	...	219	...	...
Seconds	England	...	...	...	45	...	...
Waste waste	U.S.A.	285	...	...	517	...	...
Electrolytic - Primes (25#) .	U.S.A.	933	...	...	1,695	...	...
" (50#) .	U.S.A.	...	...	...	110	...	...
" (75#) .	U.S.A.	1,143	...	...	1,146	...	...
Waste waste ..	U.S.A.	99	...	...	325	...	...
Terne plate -							
Long	U.S.A.	473	...	...	3,356	...	...
Short	U.S.A.	61	...	...	11,506	...	...

Table 5 - Imports of Primary Forms of Iron and Steel, October, and Year to Date, 1946 (Continued)

Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,076	...	...	10,289	235	...
	England	3	...	...	44	...	...
	Sweden	...	...	...	2	...	...
Lighter than 18 gauge	U.S.A.	232	3	...	1,543	335	...
	Sweden	...	...	...	12	...	...
For cold rolling	U.S.A.	1,074	...	...	6,923	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	53	...	...	766	...	...
5¢ per pound and over	U.S.A.	1	...	...	31	14	...
Painted	U.S.A.	492	...	...	3,385	...	...
For saws	U.S.A.	...	21	...	89	211	...
	England	8	...	...	8	...	...
For motor vehicles	U.S.A.	1,184	...	...	6,156	...	...
For barrel hoops	U.S.A.	192	...	...	747	...	...
Silicon .075 or more	U.S.A.	...	43	...	...	637	...
Stainless	U.S.A.	...	...	1.1	...	...	21.6
	England	...	...	...	...	...	.2
Cold rolled -							
18 gauge and heavier	U.S.A.	298	6	...	2,583	8	...
Lighter than 18 gauge	U.S.A.	497	1	...	4,623	13	...
	Sweden	23	...	...	162	7	...
	England	...	...	...	26	...	...
For barrel hoops	U.S.A.	...	...	...	605	...	...
5¢ per pound and over	U.S.A.	...	...	...	5	...	...
For shoe and corset laces, etc.	U.S.A.	58	...	...	384	...	...
Painted	U.S.A.	44	...	...	283	...	...
For butt hinges	U.S.A.	9	...	...	125	...	...
For saws	U.S.A.	...	11	...	36	117	...
	Sweden	1	12	...	27	86	...
For motor vehicles	U.S.A.	...	...	...	1	...	...
For pipes and tubes	U.S.A.	...	...	...	316	...	...
Stainless	U.S.A.	...	...	109.3	...	...	989.8
	England	...	...	.4	...	...	3.8
Silicon .075 or over	U.S.A.	...	38	...	...	994	...
Galvanized strip	U.S.A.	698	...	...	4,571	...	...
Skelp - Over 14" wide							
Under 14" wide	U.S.A.	173	...	...	4,389	...	...
	U.S.A.	8,302	...	...	43,203	...	...
Pipe -							
Cast	U.S.A.	35	...	...	134	...	1.3
Boiler and pulp mill digesters	U.S.A.	1,124	4	...	10,179	144	4.8
	England	35	...	...	35	...	...
Bedstead	U.S.A.	42	...	...	443	...	...
	England	...	...	...	1	...	...
Seamless	U.S.A.	640	45	16.7	5,019	250	101.4
	England	14	...	2.7	180	67	22.1
Wrought -							
More than 10½" diameter	U.S.A.	207	...	...	4,394	...	...
Under 10½" diameter	U.S.A.	1,015	...	1.7	10,098	24	20.1
	England	...	...	...	1	...	...
Stainless	U.S.A.	...	...	...	...	...	5.2
Tubing -							
Not over ½" diameter	U.S.A.	3	...	...	56	...	...
Casing	U.S.A.	151	...	...	2,332	...	...
Fittings and couplings	U.S.A.	185	...	.3	1,404	...	5.4

Table 5 - Imports of Primary Forms of Iron and Steel, October, and Year to Date, 1946 (Concluded)

Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Wire rope	U.S.A.	63	...	...	273	...	1.7
	England	...	...	...	37	...	...
Wire -							
For wire rope	U.S.A.	866	...	...	5,917	...	8.5
	England	210	...	...	2,400	...	.2
For fencing	U.S.A.	...	...	...	599	...	...
For corset laces, steels and stays	U.S.A.	10	...	...	133	...	...
	England	...	...	...	2	...	...
For wire springs, mattress, etc.	U.S.A.	13	...	...	385	...	...
	England	1	...	...	12	...	...
Netting	U.S.A.	116	...	...	792	...	.1
	England	20	...	...	213	...	...
Coated	U.S.A.	108	...	...	433	...	...
All other	U.S.A.	499	1	1.7	3,147	19	8.2
	England	18	...	...	21	...	...
Stainless	U.S.A.	...	...	...	...	...	.9
Wire rods	U.S.A.	30	...	...	893	...	1.0
Welding rods	U.S.A.	75	22	3.9	238	89	36.7
	England	...	...	...	...	...	.1
Castings -							
For agricultural implements	U.S.A.	105	...	...	1,157	...	...
For ingot moulds	U.S.A.	1,511	...	...	10,408	...	...
Malleable	U.S.A.	101	...	...	857	...	...
	England	...	...	...	4	...	...
Non-malleable	U.S.A.	69	...	...	1,782	...	...
Steel	U.S.A.	104	11	...	517	65	8.6
For railway vehicles	U.S.A.	179	...	...	1,124	...	...
Semi-finished piston	U.S.A.	...	...	...	69	...	...
Rolls	U.S.A.	53	...	...	1,274	607	...
	England	...	...	...	2	...	...
Stainless	U.S.A.	...	...	...	...	...	10.5
Forgings	England	...	...	...	1	122	...
	U.S.A.	49	55	...	1,086	225	1.3
Wheels -							
Cast iron	U.S.A.	11	...	...	925	...	...
	England	374	...	...	978	...	...
Pressed	England	...	...	...	621	...	...
	U.S.A.	31	...	...	109	...	...
Tires -							
Steel	U.S.A.	380	...	...	6,381	...	...
	England	110	...	...	1,317	64	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	373	...	...
For all vehicles other than railways ..	U.S.A.	...	...	...	381	...	...
Rails -							
60 pounds and under	U.S.A.	190	...	...	264	...	...
Over 60 pounds and under 100 pounds ...	U.S.A.	48	...	...	1,523	...	...
Over 100 pounds	U.S.A.	1	...	...	117	...	...
Grooved - electric tramways	U.S.A.	...	...	...	1,483	...	...
Track material -							
Angle bars, tie plates, rail joints ...	U.S.A.	31	...	...	1,588	...	...
Intersections, switches, frogs	U.S.A.	7	...	...	36	...	...

Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-22-1-47

Price -
10 centsDepartment of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - CanadaDominion Statistician:
Director - Division of Census of Industry and Merchandising:
Chief - Mining, Metallurgical and Chemical Statistics:Herbert Marshall
W. H. Losee
H. McLeodMonthly ReportonPRIMARY IRON AND STEEL IN CANADANovember, 1946

Shipments of primary shapes by Canadian steel mills totalled 246,547 net tons in November compared with 172,580 net tons in October and 72,070 net tons in September. The November total included 37,929 tons of semi-finished shapes, 13,331 tons of structurals, 17,351 tons of plates, 22,574 tons of rails, 53,135 tons of bars, 10,776 tons of pipes and tubes, 23,969 tons of wire rods, 19,459 tons of black sheets, 6,324 tons of galvanized sheets, 582 tons of tool steel, 6,364 tons of castings, and 34,753 tons of other shapes.

Of the November shipments, 33,761 tons went direct to railways and railway car shops, 9,600 tons to pressing, forming and stamping plants, 27,526 tons to merchant trade products, 24,636 tons to building construction, 14,256 tons to the containers industry, 8,929 tons to agricultural equipment, 9,825 tons to the automotive industry, 10,668 tons to machinery plants, 4,128 tons to shipbuilding, 7,931 tons to mining, lumbering, etc., and 2,247 tons to miscellaneous industries. Wholesalers and warehousing accounted for 27,883 tons, producers' interchange for 51,619 tons, and exports for 13,538 tons.

Table 1 - Production of Pig Iron in Canada, November and Year to Date, 1946

	November	Year to Date
	(Tons of 2,000 pounds)	
Basic	105,643	984,184
Foundry	16,659	127,330
Malleable	12,967	130,779
Total	135,269	1,242,293

Table 2 - Production of Steel Ingots and Castings in Canada, November and Year to Date, 1946

	November		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	180,896	3,911	1,654,320	46,329
Electric	28,749	3,274	276,809	44,660
Total Ingots	209,645	7,185	1,931,129	90,989
Steel castings	4,358	1,318	60,341	14,073
Total Ingots and Castings	214,003	8,503	1,991,470	105,062

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, November and Year to Date, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
(Tons of 2,000 pounds)				
<u>November, 1946</u>				
Billets, etc., for forging	8,108	7,168	734	667
Other semi-finished shapes, not for re-rolling by makers	34,363	29,810	322	284
Structural shapes and piling	13,994	13,331	...	...
Plates	16,315	17,351	...	...
Rails	16,601	22,574	...	...
Tie plates and track material -				
Splice bars	1,249	544	...	...
Tie plates	4,593	4,630	...	...
Spikes	1,022	935	...	...
Tool steel	445	309	389	273
Hot rolled bars for forging	6,937	6,112	1,806	2,471
Concrete reinforcing bars	3,694	4,058	...	...
Hot rolled bars for cold finishing	406	428	...	...
Other hot rolled bars	37,686	37,451	2,638	2,615
Pipes and tubes	10,509	10,776	...	...
Wire rods	23,239	23,935	34	34
Hot rolled black sheets	19,463	17,530	...	...
Cold reduced black sheets	1,929	1,929	...	...
Galvanized sheets	5,253	6,324	...	...
Steel castings - Made by ingot makers	1,230	1,485	24	44
Made in other foundries	3,128	3,593	1,294	1,242
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	28,704	28,505	135	139
Total	238,868	238,778	7,376	7,769
<u>Eleven Months Ended November, 1946</u>				
Billets, etc., for forging	50,845	52,216	3,422	3,814
Other semi-finished shapes, not for re-rolling by makers	217,957	222,233	1,360	1,071
Structural shapes and piling	107,287	108,504	...	...
Plates	165,992	163,386	21	...
Rails	188,076	194,729	...	...
Tie plates and track material	56,271	58,627	...	...
Tool steel	2,653	2,327	2,766	2,403
Hot rolled bars for forging	50,523	48,484	17,854	19,112
Concrete reinforcing bars	50,611	48,228	...	...
Hot rolled bars for cold finishing	6,383	6,572	173	77
Other hot rolled bars	297,107	289,472	25,143	23,937
Pipes and tubes	112,850	123,493	...	...
Wire rods	189,642	195,293	154	137
Hot rolled black sheets	117,737	113,696	...	...
Cold reduced black sheets	18,933	18,933	...	...
Galvanized sheets	49,659	50,530	...	...
Steel castings - Made by ingot makers	15,850	15,248	441	423
Made in other foundries	44,024	44,266	14,002	13,121
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	322,529	321,408	1,474	1,445
Total	2,064,929	2,077,645	66,810	65,540

Table 4 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, November and Year to Date, 1946

Industry	November		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	5,473	4,352	42,617	32,114
Agricultural, including farm machinery	8,874	55	78,232	871
Building construction	24,580	56	168,310	669
Containers industry	14,249	7	151,279	77
Machinery and tools	10,034	634	85,944	6,282
Merchant trade products	27,058	468	205,924	1,021
Mining, lumbering, etc.	7,742	189	57,108	6,321
National defence	136	4	2,225	17
Pressing, forming and stamping	9,531	69	76,948	979
Public works and utilities	882	46	19,524	519
Railway operating	27,148	244	263,491	2,565
Railway cars and locomotives	6,348	21	109,615	1,607
Shipbuilding	4,106	22	39,989	360
Miscellaneous and unclassified	1,090	89	16,738	644
Sub-total	147,251	6,256	1,317,944	54,046
Wholesalers and warehouses	27,540	343	237,828	2,649
Producers' interchange	51,353	266	397,030	1,441
Direct export (a) to British Empire	5,539	116	74,221	907
(b) to other countries	7,095	788	50,619	6,497
Total	238,778	7,769	2,077,642	65,540

Note: The above figures include steel castings shipped by all foundries.

Table 5 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1946

Commodity		Country of Origin	November			Year to Date		
			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)								
Pig Iron -								
Foundry		U.S.A.	584	...	...	7,676	...	...
Malleable		U.S.A.	...	...	...	1,789	...	...
Silvery		U.S.A.	...	...	...	723	...	...
Ingots		U.S.A.	64	...	...	1,301	139	...
Blooms, billets and slabs		U.S.A.	18	172	...	665	274	...
		Sweden	...	...	...	6	...	...
Tube rounds and tube billets (O.H.)		U.S.A.	...	...	...	1,448	...	...
Bars -								
Hot rolled		U.S.A.	5,670	1,239	4.8	38,970	7,354	59.9
		England	38	15	6.8	359	137	46.9
		Sweden	...	...	...	81	...	9.3
For agricultural implements		U.S.A.	1,314	296	...	12,556	493	...
Rounds over 4 7/8", squares over 4" ..		U.S.A.	73	14	...	1,245	115	.4
		England	4	...	.2	197	...	1.4
Angles, channels, etc.		U.S.A.	347	...	3.2	3,217	10	10.4
Sash or casement sections		U.S.A.	304	...	...	2,012	...	...
Cold finished		U.S.A.	2,355	43	16.0	13,047	256	105.4
		England	...	...	4	120	...	47.1
Cold finished for agricultural implements		U.S.A.	872	...	...	3,831	10	...
Tool steel		U.S.A.	9	25	...	155	413	...
		England	36	13	...	211	378	...
		Sweden	...	...	...	...	7	...
Structurals		U.S.A.	14,478	...	...	84,187	97	9.9
		England	299	...	...	1,715	...	...

Table 5 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1946 (Continued)

Commodity	Country of Origin	November			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Plates - 78" and under	U.S.A.	2,998	1	34.0	26,169	53	216.5
	England	...	...	...	...	...	4.3
Over 78" and under 100"	U.S.A.	3,547	...	.8	14,475	...	47.4
Over 100"	U.S.A.	614	...	.6	2,863	...	11.3
Flanged, dished or curved	U.S.A.	110	...	...	565	...	3.3
Boilers, pulp digesters, etc...	U.S.A.	250	...	...	2,705	...	...
	England	186	...	...	275	...	...
Chequered, or surface pattern .	U.S.A.	451	...	...	4,110	1	...
	England	...	...	...	168	...	...
For agricultural implements ...	U.S.A.	...	...	...	92	...	...
Cold rolled for saws	U.S.A.	...	...	...	1	1	...
Galvanized	U.S.A.	...	...	...	213	...	...
Stainless	England	...	...	...	...	...	5.0
Painted and tar asphaltum	U.S.A.	4	...	...	7	...	...
Sheets - Silicon .075 or more	U.S.A.	...	1,176	...	...	14,851	...
Galvanized	U.S.A.	725	...	...	7,703	...	...
	England	...	...	...	139	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	4,485	2	...	53,530	56	...
Lighter than 18 gauge	U.S.A.	317	...	...	3,055	...	...
	England	...	...	...	497	2	...
For hollow ware (vitreous enamel)	U.S.A.	713	...	...	6,179	...	...
	England	...	...	...	89	...	...
5¢ per pound and over	U.S.A.	35	...	...	120	3	...
Corrugated	U.S.A.	262	...	...	626	...	...
Coated with paint, asphaltum, vitreous enamel, etc.....	U.S.A.	153	...	...	445	...	...
Shaped for agricultural implements ...	U.S.A.	187	...	...	1,271	115	...
For saws	U.S.A.	24	53	...	239	694	...
For cold rolled strip	U.S.A.	107	...	...	796	...	...
Stainless	U.S.A.	...	...	10.9	...	...	225.6
	England	...	...	19.2	...	...	142.6
Cold rolled -							
18 gauge and heavier	U.S.A.	765	...	...	10,484	...	...
Lighter than 18 gauge	U.S.A.	2,333	...	...	27,508	...	...
	England	...	...	...	427	...	...
For hollow ware (vitreous enamel)	U.S.A.	51	...	...	977	...	...
5¢ per pound and over	U.S.A.	...	...	...	1	...	...
Black plate (tin mill)	U.S.A.	2,594	...	...	16,031	...	...
For heating apparatus	U.S.A.	171	...	...	597	...	...
Painted with tar, asphaltum, etc.	U.S.A.	1	...	...	94	...	...
For agricultural implements	U.S.A.	145	...	...	145	...	...
For saws	U.S.A.	...	3	...	5	8	...
	Sweden	...	...	...	10	2	...
For skelp	U.S.A.	286	...	...	3,206	...	...
Stainless	U.S.A.	...	...	231.7	...	...	1,707.9
	England	...	...	1.0	...	...	17.8
Black plate - For tinning	U.S.A.	4,363	...	...	39,266	...	...
Tin plate - Primes	U.S.A.	3,633	...	...	34,437	...	...
	England	12	...	...	231	...	...
Seconds	England	...	...	...	45	...	...
Waste waste	U.S.A.	...	...	...	517	...	...
Electrolytic - Primes (25#)	U.S.A.	2,094	...	...	3,789	...	...
" (50#)	U.S.A.	...	...	...	110	...	...
" (75#)	U.S.A.	2,393	...	...	3,539	...	...
Waste waste .	U.S.A.	...	...	...	325	...	...
Terne plate -							
Long	U.S.A.	363	...	...	3,719	...	...
Short	U.S.A.	2	...	...	11,508	...	...

Table 5 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1946 (Continued)

Commodity	Country of Origin	November			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less

(All figures in net tons of 2,000 pounds)

Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,235	54	...	11,524	289	...
	England	...	...	...	44	...	...
	Sweden	...	...	...	2	...	...
Lighter than 18 gauge	U.S.A.	147	1	...	1,690	336	...
	Sweden	...	...	...	12	...	...
For cold rolling	U.S.A.	530	...	...	7,453	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	78	...	...	844	...	...
5¢ per pound and over	U.S.A.	1	...	...	32	14	...
Painted	U.S.A.	406	...	...	3,791	...	...
For saws	U.S.A.	7	53	...	96	264	...
	England	...	...	...	8	...	...
For motor vehicles	U.S.A.	971	...	...	7,127	...	...
For barrel hoops	U.S.A.	128	...	...	875	...	...
For pipes and tubes	U.S.A.	15	...	...	15	...	...
Silicon .075 or more	U.S.A.	...	48	...	...	685	...
Stainless	U.S.A.	...	...	1.5	...	...	23.1
	England	...	...	...	...	...	.2
Cold rolled -							
18 gauge and heavier	U.S.A.	212	5	...	2,795	13	...
Lighter than 18 gauge	U.S.A.	631	...	...	5,254	13	...
	Sweden	...	7	...	162	14	...
	England	...	...	...	26	...	...
For barrel hoops	U.S.A.	...	...	...	605	...	...
5¢ per pound and over	U.S.A.	...	...	...	5	...	...
For shoe and corset laces, etc.	U.S.A.	36	...	...	420	...	...
Painted	U.S.A.	30	...	...	313	...	...
For butt hinges	U.S.A.	...	...	...	125	...	...
For saws	U.S.A.	2	6	...	38	122	...
	Sweden	...	5	...	27	91	...
For motor vehicles	U.S.A.	...	...	...	1	...	...
For pipes and tubes	U.S.A.	15	...	...	331	...	...
Stainless	U.S.A.	...	...	63.8	...	...	1,053.6
	England	...	...	...	...	...	3.8
Silicon .075 or over	U.S.A.	...	35	...	...	1,029	...
Galvanized strip	U.S.A.	650	...	...	5,221	...	...
Skelp -							
Over 14" wide	U.S.A.	...	...	...	4,389	...	...
Under 14" wide	U.S.A.	5,473	...	...	48,676	...	...
Pipe -							
Cast	U.S.A.	5	...	...	139	...	1.3
Boiler and pulp mill digesters	U.S.A.	1,297	9	...	11,476	153	4.8
	England	...	...	...	35	...	...
Bedstead	U.S.A.	23	...	...	466	...	...
	England	...	...	...	1	...	...
Seamless	U.S.A.	677	43	21.5	5,696	293	122.9
	England	12	...	3.5	192	67	25.6
Wrought -							
More than 10 $\frac{1}{2}$ " diameter	U.S.A.	51	...	...	4,445	...	...
Under 10 $\frac{1}{2}$ " diameter	U.S.A.	570	...	2.2	10,668	24	22.3
	England	...	...	...	1	...	...
Stainless	U.S.A.	...	...	...	...	...	5.2
Invasion tubing	U.S.A.	827	...	...	827	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter	U.S.A.	1	...	...	57	...	...
Casing	U.S.A.	281	...	...	2,613	...	...
Fittings and couplings	U.S.A.	165	...	.2	1,569	...	5.6

Table 5 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1946 (Concluded)

Commodity	Country of Origin	November			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(All figures in net tons of 2,000 pounds)					
Wire rope	U.S.A.	57	...	...	330	...	1.7
	England	...	...	...	37	...	...
Wire -							
For wire rope	U.S.A.	1,053	...	...	6,970	...	8.5
	England	45	...	...	2,445	...	.2
For fencing	U.S.A.	...	...	...	599	...	...
For corset laces, steels and stays ..	U.S.A.	27	...	...	160	...	...
	England	...	...	...	2	...	...
For wire springs, mattress, etc.	U.S.A.	50	...	...	435	...	...
	England	1	...	...	13	...	...
Netting	U.S.A.	85	...	...	877	...	.1
	England	47	...	...	260	...	...
Coated	U.S.A.	79	...	...	512	...	...
All other	U.S.A.	1,169	...	.7	4,316	19	8.9
	England	...	...	...	21	...	...
Stainless	U.S.A.	...	...	...	...	...	.9
Wire rods	U.S.A.	71	...	...	964	...	1.0
Welding rods	U.S.A.	23	8	6.8	261	97	43.5
	England	...	...	...	...	...	.1
Castings -							
For agricultural implements	U.S.A.	123	...	...	1,280	...	...
For ingot moulds	U.S.A.	2,265	...	...	12,673	...	...
Malleable	U.S.A.	35	...	...	892	...	...
	England	...	...	...	4	...	...
Non-malleable	U.S.A.	116	...	...	1,898	...	...
Steel	U.S.A.	212	18	...	729	83	8.6
For railway vehicles	U.S.A.	188	...	...	1,212	...	...
Semi-finished piston	U.S.A.	1	...	...	70	...	...
Rolls	U.S.A.	172	68	...	1,446	675	...
	England	...	...	...	2	...	...
Stainless	U.S.A.	...	...	...	...	...	10.5
Forgings	England	36	34	...	37	156	...
	U.S.A.	79	51	...	1,265	276	1.3
Wheels -							
Cast iron	U.S.A.	81	...	...	1,006	...	...
	England	46	...	...	1,024	...	...
Pressed	England	...	...	...	621	...	...
	U.S.A.	14	...	...	123	...	...
Tires -							
Steel	U.S.A.	...	...	...	6,381	...	...
	England	12	...	...	1,329	64	...
Axles -							
For railway vehicles	U.S.A.	9	...	...	382	...	...
For all vehicles other than railways	U.S.A.	...	...	...	381	...	...
Rails -							
60 pounds and under	U.S.A.	135	...	...	399	...	...
Over 60 pounds and under 100 pounds .	U.S.A.	195	...	...	1,718	...	...
Over 100 pounds	U.S.A.	1	...	...	118	...	...
Grooved - electric tramways	U.S.A.	...	...	...	1,483	...	...
Track material -							
Angle bars, tie plates, rail joints .	U.S.A.	237	1,825
Intersections, switches, frogs	U.S.A.	11	47

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UNIVERSITY OF TORONTO

Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-14-2-47
Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA

December, 1946

Shipments of primary shapes by Canadian steel mills totalled 228,981 net tons in December compared with 246,547 net tons in November and 172,580 net tons in October. The December total included 40,749 tons of semi-finished shapes, 9,339 tons of structurals, 16,649 tons of plates, 19,045 tons of rails, 49,572 tons of bars, 5,150 tons of pipes and tubes, 22,301 tons of wire rods, 21,002 tons of black sheets, 6,031 tons of galvanized sheets, 459 tons of tool steel, 5,477 tons of castings, and 33,207 tons of other shapes.

Of the December shipments, 34,533 tons went direct to railways and railway car shops, 9,856 tons to pressing, forming and stamping plants, 19,673 tons to merchant trade products, 20,856 tons to building construction, 13,043 tons to the containers industry, 8,317 tons to agricultural equipment, 9,268 tons to the automotive industry, 11,202 tons to machinery plants, 3,815 tons to shipbuilding, 6,293 tons to mining, lumbering, etc., and 1,795 tons to miscellaneous industries. Wholesalers and warehousing accounted for 21,521 tons, producers' interchange for 55,705 tons, and exports for 13,104 tons.

Table 1 - Production of Pig Iron in Canada, December and Year to Date, 1946

	December	Year to Date
	(Tons of 2,000 pounds)	
Basic	125,046	1,109,230
Foundry	25,035	152,365
Malleable	11,383	142,162
Total	161,464	1,403,757

Table 2 - Production of Steel Ingots and Castings in Canada, December and Year to Date, 1946

	December		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	195,860	3,449	1,850,180	49,778
Electric	29,611	2,397	306,420	47,057
Total Ingots	225,471	5,846	2,156,600	96,835
Steel castings	4,592	1,264	64,933	15,337
Total Ingots and Castings	230,063	7,110	2,221,533	112,172

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, December and Year to Date, 1946

Year to Date, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
	(Tons of 2,000 pounds)			
December, 1946				
Billets, etc., for forging	5,969	6,384	484	776
Other semi-finished shapes, not for re-rolling by makers	39,551	33,188	396	401
Structural shapes and piling	8,316	9,339	...	...
Plates	17,486	16,649	...	...
Rails	18,297	19,045	...	...
Tie plates and track material -				
Splice bars	1,029	1,804	...	...
Tie plates	2,837	2,408	...	...
Spikes	1,004	1,286	...	...
Tool steel	480	255	320	204
Hot rolled bars for forging	6,848	7,087	2,367	1,805
Concrete reinforcing bars	5,848	4,984	...	...
Hot rolled bars for cold finishing	1,308	1,244	...	...
Other hot rolled bars	30,419	31,492	3,556	2,960
Pipes and tubes	12,373	5,150	...	...
Wire rods	22,841	22,301	...	...
Hot rolled black sheets	18,941	18,497	...	...
Cold reduced black sheets	2,505	2,505	...	...
Galvanized sheets	6,393	6,031	...	...
Steel castings - Made by ingot makers	1,406	1,341	47	26
Made in other foundries	3,186	2,878	1,217	1,232
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	28,122	27,473	245	236
Total	235,159	221,341	8,632	7,640

Twelve Months Ended December, 1946

Billets, etc., for forging	56,814	58,600	3,906	4,590
Other semi-finished shapes, not for re-rolling by makers	257,508	255,421	1,756	1,472
Structural shapes and piling	115,603	117,843	...	...
Plates	183,478	180,035	21	...
Rails	206,373	213,774	...	...
Tie plates and track material	61,141	64,125	...	...
Tool steel	3,133	2,582	3,086	2,607
Hot rolled bars for forging	57,371	55,571	20,221	20,917
Concrete reinforcing bars	56,459	53,212	...	...
Hot rolled bars for cold finishing	7,691	7,816	173	77
Other hot rolled bars	327,526	320,964	28,699	26,897
Pipes and tubes	125,223	128,643	...	...
Wire rods	212,483	217,594	154	137
Hot rolled black sheets	136,678	132,193	...	...
Cold reduced black sheets	21,438	21,438	...	...
Galvanized sheets	56,052	56,561	...	...
Steel castings - Made by ingot makers	17,256	16,589	488	449
Made in other foundries	47,210	47,144	15,219	14,353
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	350,651	348,881	1,719	1,681
Total	2,300,088	2,298,986	75,442	73,180

Table 4 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, December and Year to Date, 1946

Industry	December		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	5,318	3,950	47,935	36,064
Agricultural, including farm machinery	8,281	36	86,513	907
Building construction	20,768	88	189,078	757
Containers industry	13,042	1	164,321	78
Machinery and tools	10,549	653	96,493	6,935
Merchant trade products	19,616	57	225,540	1,078
Mining, lumbering, etc.	5,921	372	63,029	6,693
National defence	226	1	2,451	18
Pressing, forming and stamping	9,788	68	86,736	1,047
Public works and utilities	267	30	19,791	549
Railway operating	27,973	311	291,464	2,876
Railway cars and locomotives	6,144	105	115,759	1,712
Shipbuilding	3,798	17	43,787	377
Miscellaneous and unclassified	958	313	17,696	957
Sub-total	132,649	6,002	1,450,593	60,048
Wholesalers and warehouses	21,258	263	259,086	2,912
Producers' interchange	55,269	436	452,299	1,877
Direct export (a) to British Empire	9,497	22	83,718	929
(b) to other countries	2,668	917	53,287	7,414
Total	221,341	7,640	2,298,983	73,180

Note: The above figures include steel castings shipped by all foundries.

Table 5 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1946

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Pig Iron -							
Foundry	U.S.A.	569	...	...	8,245	...	...
Malleable	U.S.A.	...	...	...	1,789	...	...
Silvery	U.S.A.	...	...	...	723	...	...
Ingots	U.S.A.	431	...	...	1,732	139	...
Blooms, billets and slabs	U.S.A.	83	61	...	748	335	...
	Sweden	...	...	...	6	...	...
Tube rounds and tube billets (O.H.)	U.S.A.	199	...	...	1,647	...	...
Bars -							
Hot rolled	U.S.A.	7,002	742	5.3	45,972	8,096	65.2
	England	...	...	2.3	359	137	49.2
	Sweden	...	...	...	81	...	9.3
For agricultural implements	U.S.A.	1,135	535	...	13,691	1,028	...
Rounds over 4 7/8", squares over 4".	U.S.A.	109	24	...	1,354	139	.4
	England	...	...	...	197	...	1.4
Angles, channels, etc.	U.S.A.	189	...	.4	3,406	10	10.8
Sash or casement sections	U.S.A.	181	...	...	2,193	...	...
Cold finished	U.S.A.	1,667	58	9.8	14,714	314	115.2
	England	...	...	...	120	...	47.1
For agricultural implements	U.S.A.	755	9	...	4,586	19	...
Tool steel	U.S.A.	8	26	...	163	439	...
	England	30	10	...	241	388	...
	Sweden	52	...	...	52	7	...
Structurals	U.S.A.	8,911	...	3.6	93,098	97	13.5
	England	4	...	...	1,719	...	...

Table 5 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1946 (Continued)

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(All figures in net tons of 2,000 pounds)					
Plates - 78" and under	U.S.A.	3,912	150	4.7	30,081	203	221.2
	England	...	...	...	...	...	4.3
Over 78" and under 100"	U.S.A.	3,183	38	.5	17,658	38	47.9
Over 100"	U.S.A.	244	...	...	3,107	...	11.3
Flanged, dished or curved	U.S.A.	47	...	...	612	...	3.3
Boilers, pulp digesters, etc. .	U.S.A.	366	...	15.3	3,071	...	15.3
	England	...	...	...	275	...	...
Chequered or surface pattern ..	U.S.A.	817	...	...	4,927	1	...
	England	...	...	...	168	...	...
For agricultural implements ...	U.S.A.	...	...	...	92	...	...
Cold rolled for saws	U.S.A.	...	...	...	1	1	...
Galvanized	U.S.A.	...	...	...	213	...	...
Stainless	England	...	...	...	...	...	5.0
Painted and tar asphaltum	U.S.A.	...	...	...	7	...	...
Sheets - Silicon .075 or more	U.S.A.	...	1,439	...	...	16,290	...
Galvanized	U.S.A.	497	...	...	8,200	...	...
	England	...	...	...	139	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	3,659	17	...	57,189	73	...
Lighter than 18 gauge	U.S.A.	79	1	...	3,134	1	...
	England	...	...	...	497	2	...
For hollow ware (vitreous enamel) ..	U.S.A.	472	...	...	6,651	...	...
	England	...	...	...	89	...	...
5¢ per lb. and over	U.S.A.	...	...	...	120	3	...
Corrugated	U.S.A.	262	...	...	888	...	...
Coated with paint, asphaltum, etc. .	U.S.A.	46	...	...	491	...	...
Shaped for agricultural implements .	U.S.A.	22	...	...	1,293	115	...
For saws	U.S.A.	8	82	...	347	776	...
For cold rolled strip	U.S.A.	...	...	...	796	...	...
Stainless	U.S.A.	...	...	9.0	...	...	234.6
	England	...	...	8.0	...	...	150.6
Cold rolled -							
18 gauge and heavier	U.S.A.	209	...	...	10,693	...	...
Lighter than 18 gauge	U.S.A.	1,390	...	...	28,898	...	...
	England	...	...	...	427	...	...
For hollow ware (vitreous enamel) ..	U.S.A.	73	...	...	1,050	...	...
5¢ per lb. and over	U.S.A.	...	...	...	1	...	...
Black plate (tin mill)	U.S.A.	1,356	...	...	17,387	...	...
For heating apparatus	U.S.A.	...	...	...	597	...	...
Painted with tar asphaltum, etc. ...	U.S.A.	2	...	...	96	...	...
For agricultural implements	U.S.A.	...	...	...	145	...	...
For saws	Sweden	...	...	...	10	2	...
	U.S.A.	...	1	...	5	9	...
For skelp	U.S.A.	455	...	...	3,661	...	...
Stainless	U.S.A.	...	...	179.1	...	...	1,887.0
	England	...	...	...	...	...	17.8
Black plate - For tinning	U.S.A.	3,373	...	...	42,639	...	...
Tin plate - Primes	U.S.A.	2,607	...	...	37,044	...	...
	England	14	...	...	245	...	...
Seconds	England	...	...	...	45	...	...
Waste Waste	U.S.A.	51	...	...	568	...	...
Electrolytic - Primes (25#) .	U.S.A.	1,609	...	...	5,398	...	...
" (50#) .	U.S.A.	...	...	...	110	...	...
" (75#) .	U.S.A.	391	...	...	3,930	...	...
Waste waste .	U.S.A.	...	...	...	325	...	...
Terne plate -							
Long	U.S.A.	321	...	...	4,040	...	...
Short	U.S.A.	40	...	...	11,548	...	...

Table 5 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1946 (Continued)

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less

(All figures in net tons of 2,000 pounds)

Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	888	...	...	12,412	289	...
	England	...	4	...	44	4	...
	Sweden	...	...	...	2	...	...
Lighter than 18 gauge	U.S.A.	44	...	...	1,734	336	...
	Sweden	...	...	...	12	...	...
For cold rolling	U.S.A.	953	...	...	8,406	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	95	...	...	939	...	...
5/8 per pound and over	U.S.A.	...	...	...	32	14	...
Painted	U.S.A.	421	...	...	4,212	...	...
For saws	U.S.A.	21	28	...	117	292	...
	England	...	...	...	8	...	...
For motor vehicles	U.S.A.	391	...	...	7,518	...	...
For barrel hoops	U.S.A.	291	...	...	1,166	...	...
For pipes and tubes	U.S.A.	...	...	...	15	...	...
Silicon .075 or more	U.S.A.	...	227	...	...	912	...
Stainless	U.S.A.	...	...	1.1	...	...	24.2
	England	...	...	...	...	...	.2
Cold rolled -							
18 gauge and heavier	U.S.A.	195	...	...	2,990	13	...
Lighter than 18 gauge	U.S.A.	545	2	...	5,799	15	...
	Sweden	6	14	...	168	28	...
	England	...	...	...	26	...	...
For barrel hoops	U.S.A.	...	...	...	605	...	...
5/8 per pound and over	U.S.A.	...	...	...	5	...	...
For shoe and corset laces, etc.	U.S.A.	52	...	...	472	...	...
Painted	U.S.A.	33	...	...	346	...	...
For butt hinges	U.S.A.	...	...	...	125	...	...
For saws	U.S.A.	4	8	...	42	131	...
	Sweden	...	5	...	27	96	...
For motor vehicles	U.S.A.	...	...	...	1	...	...
For pipes and tubes	U.S.A.	53	...	...	384	...	...
Stainless	U.S.A.	...	...	106.1	...	...	1,159.7
	England	...	...	...	...	...	3.8
Silicon .075 or more	U.S.A.	...	20	...	...	1,049	...
Galvanized strip	U.S.A.	444	...	...	5,665	...	...
Skelp - Over 14" wide							
Under 14" wide	U.S.A.	2,010	...	...	50,686	...	...
Pipes and Tubes -							
Cast	U.S.A.	8	...	...	147	...	1.3
Boiler and pulp mill digesters, etc. .	U.S.A.	1,319	7	.9	12,795	160	5.7
	England	...	...	...	35	...	...
Bedstead	U.S.A.	44	...	...	510	...	...
	England	...	...	...	1	...	...
Seamless	U.S.A.	548	52	14.0	6,244	345	136.9
	England	10	...	4.3	202	67	29.9
Wrought -							
More than 10 1/2" diameter	U.S.A.	15	...	...	4,460	...	...
Under 10 1/2" diameter	U.S.A.	528	1	1.1	11,196	25	23.4
	England	26	...	...	27	...	...
Stainless	U.S.A.	...	...	...	...	...	5.2
Invasion tubing	U.S.A.	236	...	...	1,063	...	...
Tubing -							
Not over 1/2" diameter	U.S.A.	9	...	...	66	...	...
Casing	U.S.A.	118	...	...	2,731	...	...
Fittings and couplings	U.S.A.	141	...	.5	1,710	...	6.1

Table 5 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1946 (Concluded)

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(All figures in net tons of 2,000 pounds)							
Wire rope	U.S.A.	3	...	.2	333	...	1.9
	England	...	...	...	37	...	...
Wire -							
For wire rope	U.S.A.	1,363	...	.4	8,333	...	8.9
	England	62	...	...	2,507	...	.2
For fencing	U.S.A.	82	...	...	681	...	...
For corset laces, steels and stays ...	U.S.A.	15	...	...	175	...	...
	England	1	...	...	3	...	...
For wire spring mattress, etc.	U.S.A.	10	...	...	445	...	...
	England	...	...	...	13	...	...
Netting	U.S.A.	38	...	.1	915	...	.2
	England	23	...	...	283	...	...
Coated	U.S.A.	145	...	...	657	...	...
All other	U.S.A.	519	...	1.9	4,835	19	10.8
	England	...	...	...	21	...	...
Stainless	U.S.A.	...	...	...	...	...	.9
Wire rods	U.S.A.	89	...	...	1,053	...	1.0
Welding rods	U.S.A.	270	65	1.9	531	162	45.4
	England	...	...	...	...	...	.1
Castings -							
For agricultural implements	U.S.A.	163	...	...	1,443	...	...
For ingot moulds	U.S.A.	2,945	...	...	15,618	...	...
Malleable	U.S.A.	43	...	...	935	...	...
	England	...	...	...	4	...	...
Non-malleable	U.S.A.	62	...	...	1,960	...	...
	England	49	...	...	49	...	...
Steel	U.S.A.	114	11	...	843	94	8.6
For railway vehicles	U.S.A.	139	...	...	1,351	...	...
Semi-finished piston	U.S.A.	8	...	...	78	...	...
Rolls	U.S.A.	14	76	...	1,460	751	...
	England	...	...	...	2	...	...
Stainless	U.S.A.	...	...	...	...	...	10.5
Forgings	England	...	...	...	37	156	...
	U.S.A.	28	17	...	1,293	293	1.3
Wheels -							
Cast iron	U.S.A.	295	...	...	1,301	...	...
	England	...	...	...	1,024	...	...
Pressed	England	...	...	...	621	...	...
	U.S.A.	30	...	...	153	...	...
Tires -							
Steel	U.S.A.	246	...	...	6,627	...	...
	England	...	...	...	1,329	64	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	382	...	...
For all vehicles other than railways .	U.S.A.	...	...	...	381	...	...
Rails -							
60 pounds and under	U.S.A.	...	...	...	399	...	...
Over 60 pounds and under 100 pounds ..	U.S.A.	175	...	...	1,893	...	...
Over 100 pounds	U.S.A.	...	...	...	118	...	...
Grooved - electric tramways	U.S.A.	...	...	...	1,483	...	...
Track material -							
Angle bars, tie plates, rail joints ..	U.S.A.	188	2,013
Intersections, switches, frogs	U.S.A.	47

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Monthly ReportonPRIMARY IRON AND STEEL IN CANADAJanuary, 1947

Shipments of primary shapes by Canadian steel mills totalled 268,313 net tons in January, 1947, compared with 228,981 net tons in December, 1946. The January, 1947 total included 50,492 tons of semi-finished shapes, 15,613 tons of structurals, 18,163 tons of plates, 20,029 tons of rails, 54,505 tons of bars, 12,406 tons of pipes and tubes, 24,220 tons of wire rods, 21,903 tons of black sheets, 6,342 tons of galvanized sheets, 559 tons of tool steel, 6,026 tons of castings and 38,055 tons of other shapes.

Of the January shipments, 26,085 tons went direct to railways and railway car shops, 11,171 tons to pressing, forming and stamping plants, 24,441 tons to merchant trade products, 29,360 tons to building construction, 14,688 tons to the containers industry, 8,320 tons to agricultural equipment, 9,303 tons to the automotive industry, 14,279 tons to machinery plants, 5,508 tons to shipbuilding, 7,127 tons to mining, lumbering, etc., and 2,320 tons to miscellaneous industries. Wholesalers and warehousing accounted for 29,503 tons, producers' interchange for 56,051 tons, and exports for 30,157 tons.

Table 1 - Production of Pig Iron in Canada, January, 1947

	January
	(Tons of 2,000 pounds)
Basic	136,495
Foundry	27,433
Malleable	13,385
Total	177,313

Table 2 - Production of Steel Ingots and Castings in Canada, January, 1947

	January	
	Carbon	Alloy
	(Tons of 2,000 pounds)	
Steel ingots - Open hearth	202,681	5,352
Electric	32,504	3,020
Total Ingots	235,185	8,372
Steel castings	4,583	1,515
Total Ingots and Castings	239,768	9,887

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, January, 1947

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
	(tons of 2,000 pounds)			
<u>January, 1947</u>				
Billets, etc., for forging	7,183	7,056	761	638
Other semi-finished shapes, not for re-rolling by makers	29,801	42,617	182	181
Structural shapes and piling	17,254	15,613	...	...
Plates	18,596	18,163	...	...
Rails	18,618	20,029	...	...
Tie plates and track material -				
Splice bars	1,120	502	...	...
Tie plates	4,707	4,524	...	...
Spikes	1,252	1,143	...	...
Tool steel	225	228	645	331
Hot rolled bars for forging .....	...	...	...	...
Concrete reinforcing bars	8,523	7,287	...	...
Hot rolled bars for cold finishing	1,185	1,066	...	...
Other hot rolled bars	44,588	41,660	6,067	4,492
Pipes and tubes	10,326	12,406	...	...
Wire rods	25,809	24,210	23	10
Hot rolled black sheets	20,734	19,684	...	...
Cold reduced black sheets	2,219	2,219	...	...
Galvanized sheets	7,297	6,342	...	...
Steel castings - Made by ingot makers	1,274	1,249	59	51
Made in other foundries	3,309	3,376	1,456	1,350
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	34,040	31,740	258	146
Total	258,060	261,114	9,451	7,199

Table 4 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, January, 1947

Industry	J a n u a r y	
	Carbon steel	Alloy steel
	(tons of 2,000 pounds)	
Automotive industries	6,034	3,269
Agricultural, including farm machinery	8,212	108
Building construction	29,318	42
Containers industry	14,679	9
Machinery and tools	13,586	693
Merchant trade products	24,379	62
Mining, lumbering, etc.	6,496	631
National defence	82	2
Pressing, forming and stamping	11,100	71
Public works and utilities	1,114	53
Railway operating	22,002	263
Railway cars and locomotives	3,793	27
Shipbuilding	5,484	24
Miscellaneous and unclassified	997	72
Sub-total	147,276	5,326
Wholesalers and warehouses	29,232	271
Producers' interchange	55,880	171
Direct export (a) to British Empire	19,627	172
(b) to other countries	9,099	1,259
Total	261,114	7,199

Note: The above figures include steel castings shipped by all foundries.

Table 5 - Imports of Primary Forms of Iron and Steel, January, 1947

Commodity	Country of Origin	J a n u a r y		
		Carbon	Alloy	Stainless
		(All figures in net tons of 2,000 pounds)		
Pig Iron -				
Foundry	U.S.A.	282	...	...
Malleable	U.S.A.	56	...	...
Ingots	U.S.A.	145	...	...
Blooms, billets, slabs and sheet bars .	U.S.A.	6	136	...
Tube rounds and tube billets (O.H.) ...	U.S.A.	545	...	...
Bars and Sections -				
Hot rolled	U.S.A.	5,119	1,069	5.3
	England	3	...	11.6
For agricultural implements	U.S.A.	2,061	632	...
Rounds over 4 7/8", squares over 4"	U.S.A.	197	7	.2
	England	...	...	.4
Angles, channels, etc.	U.S.A.	455	...	.8
	Belgium	45	...	...
Sash or casement sections	U.S.A.	126	...	...
Cold finished	U.S.A.	1,311	4	5.1
	England	20	...	12.6
For agricultural implements	U.S.A.	917	...	...
Tool steel	U.S.A.	11	79	...
	England	73	27	...
Structurals	U.S.A.	11,966	...	...
Sheets - Silicon .075 or more				
	U.S.A.	...	1,171	...
Galvanized	U.S.A.	629	...	...
Hot rolled -				
18 gauge and heavier	U.S.A.	3,799	9	...
Lighter than 18 gauge	U.S.A.	265	...	...
For hollow ware (vitreous enamel).	U.S.A.	424	...	...
Corrugated	U.S.A.	99	...	...
5¢ per pound and over	U.S.A.	4	...	...
Coated with paint, asphaltum, etc.	U.S.A.	27	...	...
Shaped for agricultural implements	U.S.A.	88	...	...
For saws	U.S.A.	30	128	...
For cold rolled strip	U.S.A.	89	...	...
Stainless	U.S.A.	...	...	22.7
	England	...	...	34.3
Cold rolled -				
18 gauge and heavier	U.S.A.	858	...	...
Lighter than 18 gauge	U.S.A.	2,012	...	...
For hollow ware (vitreous enamel).	U.S.A.	59	...	...
Black plate (tin mill)	U.S.A.	1,767	...	...
Coated with paint, tar, asphaltum, etc.	U.S.A.	1	...	...
For saws	U.S.A.	...	1	...
For heating apparatus	U.S.A.	8	...	...
For skelp	U.S.A.	319	...	...
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	6	...	...
Stainless	U.S.A.	...	...	169.8
Skelp - Over 14" wide				
	U.S.A.	430	...	...
Not more than 14" in width ...	U.S.A.	6,346	...	...

Table 5 - Imports of Primary Forms of Iron and Steel, January, 1947 (Continued)

Commodity	Country of Origin	J a n u a r y		
		Carbon	Alloy	Stainless
		(All figures in net tons of 2,000 pounds)		
Plates - 78" and under	U.S.A.	1,785	6	22.4
Over 78" and under 100"	U.S.A.	1,020	134	2.6
Over 100"	U.S.A.	552	...	...
Flanged, dished or curved	U.S.A.	118	...	...
Boiler, pulp digesters, etc. .	U.S.A.	222	...	9.4
Chequered or surface pattern .	U.S.A.	348	...	...
Painted, tar asphaltum	U.S.A.	16	...	...
Galvanized	U.S.A.	85	...	...
Strip -				
Hot rolled -				
18 gauge and heavier	U.S.A.	771	39	...
Lighter than 18 gauge	U.S.A.	162	...	...
For cold rolling	U.S.A.	713	...	...
Painted	U.S.A.	488	...	...
For shoe & Corset laces, buckles, ball bearings, etc.	U.S.A.	58	...	...
For saws	U.S.A.	14	14	...
For barrel hoops	U.S.A.	164	...	...
For motor vehicles	U.S.A.	596	...	...
Silicon .075 or more	U.S.A.	...	106	...
Stainless	U.S.A.	...	...	5.2
	England	...	...	.1
Cold rolled -				
18 gauge and heavier	U.S.A.	297	10	...
	England	4	...	...
Lighter than 18 gauge	U.S.A.	672	...	...
	England	12	...	...
	Sweden	23	...	...
For shoe, corset laces, etc.	U.S.A.	40	...	...
Painted	U.S.A.	13	...	...
For saws	Sweden	1	6	...
	U.S.A.	...	9	...
For butt hinges	U.S.A.	27	...	...
Silicon .075 or more	U.S.A.	...	25	...
Stainless	U.S.A.	...	...	159.0
	England	...	...	1.2
Galvanized strip	U.S.A.	510	...	...
Black plate - For tinning				
	U.S.A.	5,462	...	...
Tin plate - Primes				
	U.S.A.	2,197	...	...
	England	42	...	...
Waste waste	U.S.A.	68	...	...
Electrolytic - Primes (25#)	U.S.A.	587	...	...
Waste waste.	U.S.A.	105	...	...
Terne plate -				
Long	U.S.A.	372	...	...
Short	U.S.A.	42	...	...

Table 5 - Imports of Primary Forms of Iron and Steel, January, 1947 (Concluded)

Commodity	Country of Origin	J a n u a r y		
		Carbon	Alloy	Stainless
(All figures in net tons of 2,000 pounds)				
Pipes and Tubes -				
Cast	U.S.A.	1	...	...
Bedstead	U.S.A.	62	...	...
Boiler & pulp mill digesters -			...	...
Hot finished	U.S.A.	976	...	...
Cold drawn	U.S.A.	162	3	3.9
Welded	U.S.A.	66	...	...
Seamless, under 10½" dia. - Cold drawn	U.S.A.	459	112	14.1
	England	2	...	6.1
- Hot				
finished	U.S.A.	273	...	...
Seamless, more than 10½" dia. -			...	...
Hot finished	U.S.A.	100	...	...
Welded, more than 10½" in diameter ..	U.S.A.	164	...	...
	England	205	...	...
Welded, under 10½" in diameter	U.S.A.	522	...	.7
Tubing -				
Not over ½" diameter, welded & coated	U.S.A.	5	...	...
Casing	U.S.A.	61	...	...
Fittings and couplings	U.S.A.	136	...	1.6
Invasion	U.S.A.	225	...	...
Wire rope	U.S.A.	88	...	...
	England	61	...	...
Wire -				
For wire rope	U.S.A.	1,554	...	...
	England	31	...	...
For corset laces, steels, etc.	U.S.A.	6	...	...
For spring mattress, etc.	U.S.A.	54	...	...
Wire cloth and netting	U.S.A.	164	...	...
	England	38	...	...
Wire, coated	U.S.A.	15	...	...
Wire - all other	U.S.A.	472	...	3.0
	England	17	...	...
Welding rods and welding wire	U.S.A.	240	9	2.0
Castings -				
For agricultural implements	U.S.A.	148	...	...
For ingot moulds	U.S.A.	2,751	...	...
Malleable	U.S.A.	56	...	...
Non-malleable	U.S.A.	110	...	...
Steel	U.S.A.	40	2	...
Rolls	U.S.A.	102	...	...
For railway vehicles	U.S.A.	19	...	...
Semi-finished piston	U.S.A.	73	...	...
Forgings	U.S.A.	48	19	...
	England	...	33	...
Wheels -				
For railway rolling stock	U.S.A.	378	...	...
	England	127	...	...
Pressed	U.S.A.	5	...	...
Tires -				
For railway rolling stock	U.S.A.	199	...	...
	England	110	1	...
Rails -				
60 pounds and under	U.S.A.	1	...	...
Over 60 pounds and under 100 pounds .	U.S.A.	34	...	...
Grooved for electric tramways	U.S.A.	5	...	...
Track material -				
Angle bars, tie plates, rail joints .	U.S.A.	86	...	...
Intersections, switches, frogs	U.S.A.	21	...	...

Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-22-4-47

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

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Dominion Statistician:
Director - Division of Census of Industry and Merchandising:
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Herbert Marshall
W. H. Losee
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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA

FEBRUARY, 1947

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 203,924 net tons in February, 1947, compared with 212,262 net tons in January, 1947. The February, 1947 total included 24,330 tons of semi-finished shapes; 12,614 tons of structurals; 14,974 tons of plates; 17,087 tons of rails; 50,929 tons of hot rolled bars; 12,541 tons of pipes and tubes; 14,860 tons of wire rods; 14,627 tons of black sheets; 6,599 tons of galvanized sheets; 504 tons of tool steel; 5,796 tons of castings, and 29,063 tons of other shapes. The amount of producers' interchange was 62,135 tons in February and 56,051 tons in January.

Of the amount shipped for sale during February, 35,878 tons went direct to railways and railway car shops; 10,199 tons to pressing, forming and stamping plants; 21,196 tons to merchant trade products; 22,946 tons to building construction; 16,006 tons to the containers industry; 11,301 tons to agricultural equipment; 11,059 tons to the automotive industry; 13,602 tons to machinery plants; 2,785 tons to shipbuilding; 5,762 tons to mining, lumber, etc., 1,992 tons to miscellaneous industries. Wholesalers and warehousing accounted for 29,517 tons and exports for 21,681 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 62,135 tons in February.

Table 1 - Production of Pig Iron in Canada, February and Year to Date, 1947

	February	Year to Date
	(Tons of 2,000 pounds)	
Basic	114,931	251,426
Foundry	23,817	51,250
Malleable	11,884	25,269
Total	150,632	327,945

Table 2 - Production of Steel Ingots and Castings in Canada, February and Year to Date, 1947

	February		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	185,419	5,267	388,100	10,619
Electric	27,773	4,666	60,277	7,686
Total Ingots	213,192	9,933	448,377	18,305
Steel castings	4,781	1,257	9,364	2,772
Total Ingots and Castings	217,973	11,190	457,741	21,077

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, February, 1947

	PRODUCTION (including producers' interchange)	SHIPMENTS For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>CARBON STEEL</u>			
Billets, etc., for forging	6,978	3,986	2,900
Other semi-finished shapes, not for re-rolling by makers	35,501	19,839	21,929
Structural shapes and piling	12,019	12,614	...
Plates	14,904	14,974	...
Rails	19,114	17,087	...
Tie plates and track material -			
Splice bars	268	883	...
Tie plates	6,423	5,991	...
Spikes	1,140	1,196	...
Tool steel	200	198	...
Concrete reinforcing bars	4,403	4,724	...
Hot rolled bars for cold finishing	876	...	1,036
Other hot rolled bars	47,967	40,786	9,122
Pipes and tubes	12,545	12,541	8
Wire rods	20,350	14,838	6,133
Hot rolled black sheets	18,591	12,174	6,640
Cold reduced black sheets	2,453	2,453	...
Galvanized sheets	7,442	6,599	60
Steel castings - Made by ingot makers	1,329	1,271	...
Made in other foundries	3,452	3,352	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	34,775	20,810	14,054
TOTAL - CARBON STEEL	250,730	196,316	61,882
<u>ALLOY STEEL</u>			
Billets, etc., for forging	485	495	48
Other semi-finished shapes, not for re-rolling by makers	208	10	205
Structural shapes and piling .....	...	...	...
Plates .....	...	...	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	270	306	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	4,404	5,419	...
Pipes and tubes .....	...	...	...
Wire rods	12	22	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	62	34	...
Made in other foundries	1,195	1,139	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	190	183	...
TOTAL - ALLOY STEEL	6,826	7,608	253

NOTE: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Two Months Ended February, 1947

	PRODUCTION (including producers' interchange	SHIPMENTS For sale	Producers' interchange
	(Tons of 2,000 pounds)		
CARBON STEEL			
Billets, etc., for forging	14,161	9,228	4,714
Other semi-finished shapes, not for re-rolling by makers	65,302	39,464	44,921
Structural shapes and piling	29,273	28,202	25
Plates	33,500	33,115	22
Rails	37,732	37,116	...
Tie plates and track material - Splice bars	1,388	1,385	...
Tie plates	11,130	10,515	...
Spikes	2,392	2,339	...
Tool steel	425	426	...
Concrete reinforcing bars	12,926	12,011	...
Hot rolled bars for cold finishing	2,061	...	2,102
Other hot rolled bars	92,555	74,075	17,493
Pipes and tubes	22,871	24,947	8
Wire rods	46,159	35,986	9,195
Hot rolled black sheets	39,325	25,093	13,405
Cold reduced black sheets	4,672	4,672	...
Galvanized sheets	14,739	12,941	60
Steel castings - Made by ingot makers	2,603	2,520	...
Made in other foundries	6,761	6,728	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	68,815	40,787	25,817
TOTAL - CARBON STEEL	508,790	401,550	117,762
ALLOY STEEL			
Billets, etc., for forging	1,246	1,133	48
Other semi-finished shapes, not for re-rolling by makers	390	20	376
Structural shapes and piling .....	...	...	...
Plates .....	...	...	...
Rails .....	...	...	...
Tie plates and track material - Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	915	637	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other cold rolled bars	10,471	9,911	...
Pipes and tubes .....	...	...	...
Wire rods	35	32	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	121	85	...
Made in other foundries	2,651	2,489	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	448	329	...
TOTAL - ALLOY STEEL	16,277	14,636	424

Industry	February		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	7,198	3,861	13,232	7,130
Agricultural, including farm machinery	11,101	200	19,313	308
Building construction	22,906	40	52,224	82
Containers industry	16,005	1	30,684	10
Machinery and tools	12,975	627	26,561	1,320
Merchant trade products	21,101	95	45,480	157
Mining, lumbering, etc.	5,395	367	11,891	998
National defence	29	1	111	3
Pressing, forming and stamping	10,141	58	21,241	129
Public works and utilities	776	33	1,890	86
Railway operating	30,178	224	52,180	487
Railway cars and locomotives	5,434	42	9,227	69
Shipbuilding	2,762	23	8,246	47
Miscellaneous and unclassified	1,062	91	2,059	163
Wholesalers and warehouses	29,267	250	58,499	521
Direct export (a) to British Empire	19,658	227	39,285	399
(b) to Other countries	328	1,468	9,427	2,727
TOTAL SHIPPED FOR SALE	196,316	7,608	401,550	14,636
Producers' interchange	61,882	253	117,762	424

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Foundry	U.S.A.	121	...	...	403	...	...
Malleable	U.S.A.	...	...	...	56	...	...
Silvery	U.S.A.	51	...	...	51	...	...
Ingots	U.S.A.	...	...	...	145	...	...
Blooms, billets, slabs and sheet bars ...	U.S.A.	...	8	...	6	144	...
Tube rounds and tube billets (O.H.)	U.S.A.	...	...	...	545	...	...
Bars and Sections -							
Hot rolled, n.o.p.	U.S.A.	2,781	411	2.1	7,900	1,480	7.4
	England	...	...	3.1	3	...	14.7
Hot rolled -							
For agricultural implements	U.S.A.	2,907	1,370	...	4,968	2,002	...
Rounds over 4 7/8", squares over 4"	U.S.A.	44	20	...	241	27	.2
	England	...	...	...	...	...	.4
Angles, channels, etc.	U.S.A.	624	...	.4	1,079	...	1.2
	Belgium	...	...	...	45	...	...
Sash or casement sections	U.S.A.	398	...	...	524	...	...
Bars - Cold finished, n.o.p.	U.S.A.	1,862	33	2.0	3,173	37	7.1
	England	7	...	5.2	27	...	17.8
Bars - Cold finished, for agricultural implements	U.S.A.	696	5	...	1,613	5	...
Bars - Tool steel	U.S.A.	22	54	...	33	133	...
	England	20	31	...	93	58	...
Structurals	U.S.A.	10,685	...	...	22,651	...	...
Plates - 78" and under	U.S.A.	3,492	...	21.1	5,277	6	43.5
Over 78" and under 100"	U.S.A.	1,172	...	5.3	2,192	134	7.9
Over 100"	U.S.A.	564	...	4.1	1,116	...	4.1
Flanged, dished or curved	U.S.A.	142	...	...	260	...	...
Boiler, pulp digesters, etc. ...	U.S.A.	101	...	...	323	...	9.4
Chequered or surface pattern ...	U.S.A.	662	...	...	1,010	...	...
Painted, tar asphaltum	U.S.A.	4	...	...	20	...	...
Galvanized	U.S.A.	5	...	...	90	...	...

Table 6 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1947 (Continued)

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets -							
Silicon .075 or more	U.S.A.	...	1,261	...	...	2,432	...
Galvanized	U.S.A.	382	...	...	1,011	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	3,533	6	...	7,332	15	...
Lighter than 18 gauge	U.S.A.	118	...	...	383	...	...
For hollow ware (vitreous enamel)	U.S.A.	327	...	...	751	...	...
Corrugated	U.S.A.	394	...	...	493	...	...
5¢ per pound and over	U.S.A.	5	...	...	9	...	...
Coated with paint, asphaltum, etc.	U.S.A.	29	...	...	56	...	...
Shaped for agricultural implements	U.S.A.	100	...	...	188	...	...
For saws	U.S.A.	18	102	...	48	230	...
For cold rolled strip	U.S.A.	215	...	...	304	...	...
Stainless	U.S.A.	...	...	20.9	...	...	43.6
	England	...	...	10.2	...	...	44.5
Cold rolled -							
18 gauge and heavier	U.S.A.	709	...	...	1,567	...	...
Lighter than 18 gauge	U.S.A.	1,853	...	...	3,865	...	...
For hollow ware (vitreous enamel)	U.S.A.	...	...	...	59	...	...
Black plate (tin mill)	U.S.A.	766	...	...	2,533	...	...
Coated with paint, tar, asphaltum, etc. .	U.S.A.	8	...	...	9	...	...
For saws	U.S.A.	...	8	...	...	9	...
	England	...	8	...	...	8	...
For heating apparatus	U.S.A.	...	...	...	8	...	...
For skelp	U.S.A.	426	...	...	745	...	...
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	...	...	...	6	...	...
Stainless	U.S.A.	...	...	135.7	...	...	305.5
Black plate - For tinning							
	U.S.A.	7,235	...	...	12,697	...	...
Tin plate - Primes							
	U.S.A.	949	...	...	3,146	...	...
	England	18	...	...	60	...	...
Waste waste	U.S.A.	21	...	...	89	...	...
Electrolytic - Primes (25#)	U.S.A.	1,808	...	...	2,395	...	...
" (75#)	U.S.A.	38	...	...	38	...	...
Waste waste	U.S.A.	...	...	...	105	...	...
Terne plate -							
Long	U.S.A.	171	...	...	543	...	...
Short	U.S.A.	33	...	...	75	...	...
Waste waste	U.S.A.	21	...	...	21	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	770	...	...	1,541	39	...
Lighter than 18 gauge	U.S.A.	32	...	...	194	...	...
For cold rolling	U.S.A.	739	...	...	1,452	...	...
Painted	U.S.A.	410	...	...	898	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	71	...	...	129	...	...
For saws	U.S.A.	22	43	...	36	57	...
For barrel hoops	U.S.A.	358	...	...	522	...	...
For motor vehicles	U.S.A.	691	...	...	1,287	...	...
Silicon .075 or more	U.S.A.	...	106	...	...	212	...
Stainless	U.S.A.	...	...	2.9	...	...	8.1
	England	...	...	.2	...	...	.3
Cold rolled -							
18 gauge and heavier	U.S.A.	296	11	...	593	21	...
	England	...	...	...	4	...	...
Lighter than 18 gauge	U.S.A.	403	...	...	1,075	...	...
	England	...	...	...	12	...	...
	Sweden	24	...	...	47	...	...
For shoe, corset laces, etc.	U.S.A.	64	...	...	104	...	...
Painted	U.S.A.	14	...	...	27	...	...

Table 6 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1947 (Continued)

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip (Con.) -							
Cold rolled -							
For saws	Sweden	9	8	...	10	14	...
	U.S.A.	3	22	...	3	31	...
For butt hinges	U.S.A.	...	...	...	27	...	...
Silicon .075 or more	U.S.A.	...	...	...	...	25	...
Stainless	U.S.A.	...	...	94.9	...	...	253.9
	England	...	...	.3	...	...	1.5
Galvanized strip	U.S.A.	387	...	...	897	...	...
Skelp - Over 14" wide							
	U.S.A.	740	...	...	1,170	...	...
Not more than 14" in width	U.S.A.	5,212	...	...	11,558	...	...
Pipes and Tubes -							
Cast	U.S.A.	4	...	...	5	...	...
Bedstead	U.S.A.	27	...	...	89	...	...
Boiler and pulp mill digesters -							
Hot finished	U.S.A.	936	36	...	1,912	36	...
Cold drawn	U.S.A.	102	...	...	264	3	3.9
	England	1	...	...	1	...	...
Cold drawn, seamless	U.S.A.	...	...	1.0	...	...	1.0
Welded	U.S.A.	75	...	...	141	...	...
Seamless, under 10½" dia. - Cold drawn ...	U.S.A.	536	38	8.3	995	150	22.4
	England	11	3	5.1	13	3	11.2
Hot finished..	U.S.A.	45	...	...	318	...	...
Seamless, more than 10½" dia. -							
Hot finished..	U.S.A.	113	1	...	213	1	...
Welded, more than 10½" dia.	U.S.A.	2	...	...	166	...	...
	England	...	...	...	205	...	...
Welded, under 10½" in diameter	U.S.A.	605	1	.9	1,127	1	1.6
Tubing -							
Not over ½" diameter, welded and coated ..	U.S.A.	7	...	...	12	...	...
Invasion	U.S.A.	359	...	...	584	...	...
Casing	U.S.A.	...	...	...	61	...	...
Fittings and couplings	U.S.A.	128	...	.8	264	...	2.4
Wire rope	U.S.A.	101	...	...	189	...	...
	England	27	...	...	88	...	...
Wire -							
For wire rope	U.S.A.	1,623	...	2.9	3,177	...	2.9
	England	6	...	...	37	...	...
For corset-laces, steels, etc.	U.S.A.	25	...	...	31	...	...
	England	1	...	...	1	...	...
For spring mattress, etc.	U.S.A.	95	...	...	149	...	...
For fencing, galvanized	U.S.A.	82	...	...	82	...	...
Wire cloth and netting	U.S.A.	84	...	...	248	...	...
	England	...	...	...	38	...	...
Wire, coated	U.S.A.	111	...	...	126	...	...
Wire - All other	U.S.A.	549	...	4.4	1,021	...	7.4
	England	...	...	...	17	...	...
Wire rods	U.S.A.	100	...	...	100	...	...
Welding rods and welding wire	U.S.A.	68	24	5.6	308	33	7.6
Castings -							
For agricultural implements	U.S.A.	200	...	...	348	...	...
For ingot moulds	U.S.A.	1,804	...	...	4,555	...	...
Malleable	U.S.A.	64	...	...	120	...	...
Non-malleable	U.S.A.	58	...	...	168	...	...
Steel	U.S.A.	43	...	...	83	2	...
Rolls	U.S.A.	99	22	...	201	22	...
	England	1	...	...	1	...	...
For railway vehicles	U.S.A.	109	...	...	128	...	...
Semi-finished piston	U.S.A.	78	...	...	151	...	...

Table 6 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1947 (Concluded)

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	U.S.A.	142	13	...	190	32	...
	England	...	...	...	...	33	...
Wheels -							
For railway rolling stock	U.S.A.	323	...	...	701	...	...
	England	...	...	...	127	...	...
Pressed	U.S.A.	36	...	...	41	...	...
Tires -							
For railway rolling stock	U.S.A.	450	...	...	649	...	...
	England	103	...	...	213	1	...
Axles -							
For railway vehicles	U.S.A.	5	...	...	5	...	...
For all other vehicles	U.S.A.	5	...	...	5	...	...
Rails -							
60 pounds and under	U.S.A.	22	...	...	23	...	...
Over 60 pounds and under 100 pounds	U.S.A.	326	...	...	360	...	...
Grooved for electric tramways	U.S.A.	67	...	...	72	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	129	215
Intersections, switches, frogs	U.S.A.	2	23

41-001

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Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-24-5-47

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

Dominion Statistician:
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DEPT. OF POLITICAL SCIENCE
UNIVERSITY OF TORONTO

PRIMARY IRON AND STEEL IN CANADA

MARCH, 1947

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 216,393 net tons in March, 1947 compared with 203,924 net tons in February, 1947. The March, 1947 total included 20,767 tons of semi-finished shapes; 13,126 tons of structurals; 17,329 tons of plates; 19,945 tons of rails; 49,850 tons of hot rolled bars; 13,738 tons of pipes and tubes; 18,698 tons of wire rods; 16,272 tons of black sheets; 8,629 tons of galvanized sheets; 538 tons of tool steel; 5,971 tons of castings, and 31,530 tons of other shapes. The amount of producers' interchange was 68,045 tons in March and 62,135 tons in February.

Of the amount shipped for sale during March, 41,883 tons went direct to railways and railway car shops; 11,349 tons to pressing, forming and stamping plants; 22,420 tons to merchant trade products; 23,483 tons to building construction; 17,792 tons to the containers industry; 9,365 tons to agricultural equipment; 13,459 tons to the automotive industry; 13,074 tons to machinery plants; 3,895 tons to shipbuilding; 8,466 tons to mining, lumber, etc., 1,861 tons to miscellaneous industries. Wholesalers and warehousing accounted for 32,055 tons and exports for 17,291 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 68,045 tons in March.

Table 1 - Production of Pig Iron in Canada, March, and Year to Date, 1947

	March	Year to Date
	(Tons of 2,000 pounds)	
Basic	136,983	388,409
Foundry	14,627	65,877
Malleable	12,793	38,062
Total	164,403	492,348

Table 2 - Production of Steel Ingots and Castings in Canada, March and Year to Date, 1947

	March		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	221,544	4,677	609,644	15,296
Electric	32,753	4,219	93,030	11,905
Total Ingots	254,297	8,896	702,674	27,201
Steel castings	5,226	1,211	14,590	3,983
Total Ingots and Castings	259,523	10,107	717,264	31,184

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, March, 1947

	PRODUCTION (including producers' interchange)	SHIPMENTS For sale	Producers' interchange
	(Tons of 2,000 pounds)		
CARBON STEEL			
Billets, etc., for forging	7,764	4,665	3,119
Other semi-finished shapes, not for re-rolling by makers	47,333	15,280	29,243
Structural shapes and piling	13,643	13,126	...
Plates	18,153	17,329	10
Rails	22,014	19,945	...
Tie plates and track material -			
Splice bars	1,917	1,862	...
Tie plates	4,759	4,247	...
Spikes	1,484	2,032	...
Tool steel	107	212	...
Concrete reinforcing bars	6,951	7,051	...
Hot rolled bars for cold finishing	968	...	804
Other hot rolled bars	41,509	35,782	6,794
Pipes and tubes	9,929	13,738	32
Wire rods	23,620	18,683	6,302
Hot rolled black sheets	19,916	13,013	7,400
Cold reduced black sheets	3,259	3,259	...
Galvanized sheets	8,221	8,629	58
Steel castings - Made by ingot makers	1,566	1,307	...
Made in other foundries	3,660	3,475	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	36,758	23,238	14,283
TOTAL - CARBON STEEL	273,531	206,873	68,045
ALLOY STEEL			
Billets, etc., for forging	528	469	...
Other semi-finished shapes, not for re-rolling by makers	353	353	...
Structural shapes and piling .....	...	...	...
Plates	42	...	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	183	326	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,561	7,017	...
Pipes and tubes .....	...	...	...
Wire rods	15	15	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	36	46	...
Made in other foundries	1,175	1,143	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	121	151	...
TOTAL - ALLOY STEEL	9,014	9,520	...

NOTE: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Three Months Ended March, 1947

	PRODUCTION (including producers' interchange)	SHIPMENTS	
		For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>CARBON STEEL</u>			
Billets, etc., for forging	21,925	13,893	7,833
Other semi-finished shapes, not for re-rolling by makers	112,635	54,744	74,164
Structural shapes and piling	42,916	41,328	25
Plates	51,653	50,444	32
Rails	59,746	57,061	...
Tie plates and track material -			
Splice bars	3,305	3,247	...
Tie plates	15,889	14,762	...
Spikes	3,876	4,371	...
Tool steel	532	638	...
Concrete reinforcing bars	19,877	19,062	...
Hot rolled bars for cold finishing	3,029	...	2,906
Other hot rolled bars	134,064	109,857	24,287
Pipes and tubes	32,800	38,685	40
Wire rods	69,779	54,669	15,497
Hot rolled black sheets	59,241	38,106	20,805
Cold reduced black sheets	7,931	7,931	...
Galvanized sheets	22,960	21,570	118
Steel castings - Made by ingot makers	4,169	3,827	...
Made in other foundries	10,421	10,203	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	105,573	64,025	40,100
TOTAL - CARBON STEEL	782,321	608,423	185,807
<u>ALLOY STEEL</u>			
Billets, etc., for forging	1,774	1,602	48
Other semi-finished shapes, not for re-rolling by makers	743	373	376
Structural shapes and piling .....	...	...	...
Plates	42	...	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	1,098	963	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other cold rolled bars	17,032	16,928	...
Pipes and tubes .....	...	...	...
Wire rods	50	47	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	157	131	...
Made in other foundries	3,826	3,632	...
All other shapes, including tin plate, tin mill black plate, cold finishes bars and strips, etc.	569	480	...
TOTAL - ALLOY STEEL	25,291	24,156	424

Industry	March		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	8,312	5,147	21,544	12,277
Agricultural, including farm machinery ...	9,325	40	28,638	348
Building construction	23,426	57	75,650	139
Containers industry	17,790	2	48,474	12
Machinery and tools	12,497	577	39,058	1,897
Merchant trade products	22,026	394	67,506	551
Mining, lumbering, etc.	7,967	499	19,858	1,497
National defence	52	1	163	4
Pressing, forming and stamping	11,243	106	32,484	235
Public works and utilities	823	42	2,713	128
Railway operating	33,959	142	86,139	629
Railway cars and locomotives	7,684	98	16,911	167
Shipbuilding	3,871	24	12,117	71
Miscellaneous and unclassified	850	93	2,909	256
Wholesalers and warehouses	31,438	617	89,937	1,138
Direct export (a) to British Empire	15,096	68	54,381	467
(b) to Other countries	514	1,613	9,941	4,340
TOTAL SHIPPED FOR SALE	206,873	9,520	608,423	24,156
Producers' interchange	68,045	...	185,807	424

Commodity	Country of Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Foundry	U.S.A.	579	982
Malleable	U.S.A.	56
Silvery	U.S.A.	51
Ingots	U.S.A.	202	347
Blooms, billets, slabs and sheet bars ...	U.S.A.	...	7	...	6	151	...
Tube rounds and tube billets (O.H.)	U.S.A.	545
Bars and Sections -							
Hot rolled, n.o.p.	U.S.A.	4,002	304	1.2	11,902	1,784	8.6
	England	9	...	2.7	12	...	17.4
Hot rolled -							
For agricultural implements	U.S.A.	2,810	851	...	7,778	2,853	...
Rounds over 4 7/8", squares over 4"	U.S.A.	157	16	...	398	43	.2
	England4
Angles, channels, etc.	U.S.A.	3715	1,450	...	1.7
	Belgium	45
Sash or casement sections	U.S.A.	110	634
Bars - Cold finished, n.o.p.	U.S.A.	1,898	28	1.9	5,071	65	9.0
	England	27	...	17.8
Bars - Cold finished, for agricultural implements	U.S.A.	586	5	...	2,199	10	...
Bars - Tool steel	U.S.A.	14	30	...	47	163	...
	England	70	18	...	163	76	...
Structurals	U.S.A.	9,101	31,752
Plates - 78" and under	U.S.A.	5,881	4	23.5	11,158	10	67.0
Over 78" and under 100"	U.S.A.	3,139	...	4.5	5,331	134	12.4
Over 100"	U.S.A.	674	...	4.1	1,790	...	8.2
Flanged, dished or curved	U.S.A.	116	376
Boiler, pulp digesters, etc. ...	U.S.A.	212	...	6.3	535	...	15.7
Chequered or surface pattern ...	U.S.A.	232	1,242
Painted, tar asphaltum	U.S.A.	1	21
Galvanized	U.S.A.	56	146

Table 6 - Imports of Primary Forms of Iron and Steel, March, and Year to Date, 1947 (Continued)

Commodity	Country of Origin	March		Stain- less	Year to Date		Stain- less
		Carbon	Alloy		Carbon	Alloy	
		(Tons of 2,000 pounds)					
Sheets -							
Silicon .075 or more	U.S.A.	...	1,110	...	...	3,542	...
Galvanized	U.S.A.	411	...	...	1,422	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	4,251	11	...	11,583	26	...
Lighter than 18 gauge	U.S.A.	468	...	...	851	...	...
For hollow ware (vitreous enamel)	U.S.A.	335	...	...	1,086	...	...
Corrugated	U.S.A.	35	...	...	528	...	...
5¢ per pound and over	U.S.A.	6	...	...	15	...	...
Coated with paint, asphaltum, etc.	U.S.A.	...	...	...	56	...	...
Shaped for agricultural implements	U.S.A.	20	...	...	208	...	...
For saws	U.S.A.	71	102	...	119	332	...
For cold rolled strip	U.S.A.	27	...	...	331	...	...
For tubes	U.S.A.	87	...	...	87	...	...
Stainless	U.S.A.	...	...	11.4	...	...	55.0
	England	...	...	15.4	...	...	59.9
Cold rolled -							
18 gauge and heavier	U.S.A.	1,509	...	...	3,076	...	...
Lighter than 18 gauge	U.S.A.	2,104	...	...	5,969	...	...
	England	190	...	...	190	...	...
For hollow ware (vitreous enamel)	U.S.A.	119	...	...	178	...	...
Black plate (tin mill)	U.S.A.	1,535	...	...	4,068	...	...
Coated with paint, tar, asphaltum, etc.	U.S.A.	...	...	...	9	...	...
For saws	U.S.A.	...	4	...	...	13	...
	England	...	...	...	...	8	...
	Sweden	...	6	...	...	6	...
For heating apparatus	U.S.A.	...	...	...	8	...	...
For tubes	U.S.A.	549	...	...	1,294	...	...
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	...	...	...	6	...	...
Stainless	U.S.A.	...	...	138.2	...	...	443.7
	England	...	...	.1	...	...	.1
Black plate - For tinning	U.S.A.	8,476	...	...	21,173	...	...
Tin plate - Primes	U.S.A.	1,625	...	...	4,771	...	...
	England	13	...	...	73	...	...
Waste waste	U.S.A.	...	...	...	89	...	...
Electrolytic - Primes (25#)	U.S.A.	2,615	...	...	5,010	...	...
" (75#)	U.S.A.	...	...	...	38	...	...
Waste waste	U.S.A.	...	...	...	105	...	...
Terne plate -							
Long	U.S.A.	231	...	...	774	...	...
Short	U.S.A.	287	...	...	362	...	...
Waste waste	U.S.A.	...	...	...	21	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,194	...	...	2,735	39	...
Lighter than 18 gauge	U.S.A.	188	...	...	382	...	...
For cold rolling	U.S.A.	1,303	...	...	2,755	...	...
Painted	U.S.A.	361	...	...	1,259	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	123	...	...	252	...	...
For saws	U.S.A.	11	46	...	47	103	...
For barrel hoops	U.S.A.	188	...	...	710	...	...
For motor vehicles	U.S.A.	701	...	...	1,988	...	...
Corrugated	Australia	1	...	...	1	...	...
For tubes	U.S.A.	1	...	...	1	...	...
For tubular products	U.S.A.	73	...	...	73	...	...
Silicon .075 or more	U.S.A.	...	137	...	...	349	...
Stainless	U.S.A.	...	...	2.4	...	...	10.5
	England	...	...	...	...	...	.3

Table 6 - Imports of Primary Forms of Iron and Steel, March, and Year to Date, 1947 (Continued)

Commodity	Country or Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip (Con.) -							
Cold rolled -							
18 gauge and heavier	U.S.A.	262	8	...	855	29	...
	England	...	...	...	4	...	...
Lighter than 18 gauge	U.S.A.	538	...	...	1,613	...	...
	England	...	...	...	12	...	...
	Sweden	10	...	...	57	...	...
For shoe, corset laces, etc.	U.S.A.	96	...	...	200	...	...
Painted ..	U.S.A.	80	...	...	107	...	...
For saws	Sweden	...	17	...	10	31	...
	U.S.A.	3	3	...	6	34	...
For butt hinges	U.S.A.	...	...	...	27	...	...
For tubes	U.S.A.	4	...	...	4	...	...
For tubular products	U.S.A.	342	...	...	342	...	...
Silicon .075 or more	U.S.A.	...	140	...	...	165	...
Stainless	U.S.A.	...	...	108.9	...	...	362.8
	England	...	...	.1	...	...	1.6
Galvanized strip	U.S.A.	754	...	...	1,651	...	...
Skelp -							
Over 14" wide	U.S.A.	(See revised breakdown			1,170	...	...
Not more than 14" in width	U.S.A.	commencing March 1947)			11,558	...	...
Over 15 3/8" in width	U.S.A.	417	...	...	417	...	...
15 3/8" and under	U.S.A.	4,970	...	...	4,970	...	...
Pipes and Tubes -							
Cast	U.S.A.	1	...	...	6	...	...
Bedstead	U.S.A.	66	...	...	155	...	...
Boiler and pulp mill digesters -							
Hot finished	U.S.A.	984	...	...	2,896	36	...
Cold drawn	U.S.A.	38	...	.3	302	3	4.2
	England	...	...	...	1	...	...
Cold drawn, seamless	U.S.A.	...	...	...	...	...	1.0
Welded	U.S.A.	28	...	...	169	...	...
Seamless, under 10½" dia. - Cold drawn ...	U.S.A.	(See revised			995	150	22.4
	England	breakdown			13	3	11.2
Hot finished..	U.S.A.	commencing			318	...	...
Seamless, more than 10½" diameter -		March,					
Hot finished..	U.S.A.	1947)			213	1	...
Seamless, 12" and under in diameter -							
Cold drawn ...	U.S.A.	529	70	21.3	529	70	21.3
	England	8	1	6.3	8	1	6.3
Hot finished..	U.S.A.	131	...	...	131	...	...
Seamless, more than 12" in diameter -							
Hot finished..	U.S.A.	29	...	...	29	...	...
Welded, more than 10½" diameter	U.S.A.	(See revised breakdown			166	...	...
	England	commencing March,			205	...	...
Welded, under 10½" in diameter	U.S.A.	1947)			1,127	1	1.6
Welded, 4" and under in diameter	U.S.A.	368	...	.3	368	...	.3
Welded, more than 4" in diameter	U.S.A.	109	...	...	109	...	...
	England	41	...	...	41	...	...
Tubing -							
Not over ½" diameter, welded and coated ..	U.S.A.	24	...	...	36	...	...
Invasion	U.S.A.	159	...	...	743	...	...
Casing	U.S.A.	125	...	...	186	...	...
Fittings and couplings	U.S.A.	116	...	.5	380	...	2.9

Table 6 - Imports of Primary Forms of Iron and Steel, March and Year to Date, 1947 (Concluded)

Commodity	Country of Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wire rope	U.S.A.	70	...	...	259	...	...
	England	13	...	...	101	...	...
Wire -							
For wire rope	U.S.A.	1,315	...	1.5	4,492	...	4.4
	England	35	...	...	72	...	...
For corset laces, steels, etc.	U.S.A.	13	...	...	44	...	...
	England	...	...	...	1	...	...
For spring mattress, etc.	U.S.A.	265	...	...	414	...	...
For fencing, galvanized	U.S.A.	50	...	...	132	...	...
Wire cloth and netting	U.S.A.	82	...	...	330	...	...
	England	...	...	...	38	...	...
Wire, coated	U.S.A.	225	...	...	351	...	...
Wire - All other	U.S.A.	464	...	1.1	1,485	...	8.5
	England	...	...	...	17	...	...
Wire rods	U.S.A.	128	...	...	228	...	...
Welding rods and welding wire	U.S.A.	10	14	3.8	318	47	11.4
	England	...	...	.3	...	...	.3
Castings -							
For agricultural implements	U.S.A.	228	...	...	576	...	...
For ingot moulds	U.S.A.	2,655	...	...	7,210	...	...
Malleable	U.S.A.	23	...	...	143	...	...
Non-malleable	U.S.A.	135	...	...	303	...	...
	England	13	...	...	13	...	...
Steel	U.S.A.	31	3	...	114	5	...
Rolls	U.S.A.	82	107	...	283	129	...
	England	...	...	...	1	...	...
For railway vehicles	U.S.A.	68	...	...	196	...	...
Semi-finished piston	U.S.A.	91	...	...	242	...	...
Forgings	U.S.A.	91	46	...	281	78	...
	England	...	...	...	...	33	...
Wheels -							
For railway rolling stock	U.S.A.	145	...	...	846	...	...
	England	108	...	...	235	...	...
Pressed	U.S.A.	91	...	...	132	...	...
Tires -							
For railway rolling stock	U.S.A.	468	...	...	1,117	...	...
	England	12	...	...	225	1	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	5	...	...
For all other vehicles	U.S.A.	49	...	...	54	...	...
Rails -							
60 pounds and under	U.S.A.	297	...	...	320	...	...
Over 60 pounds and under 100 pounds	U.S.A.	87	...	...	447	...	...
Grooved for electric tramways	U.S.A.	...	...	...	72	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	204	...	...	419	...	...
Intersections, switches, frogs	U.S.A.	2	...	...	25	...	...

41-001

Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-3-7-47

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

Dominion Statistician:
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Chief - Mining, Metallurgical and Chemical Statistics:

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Monthly Report

✓ on

PRIMARY IRON AND STEEL IN CANADAApril, 1947

BAROMETRICS FILE "S"

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 206,682 net tons in April, 1947, compared with 216,393 net tons in March, 1947. The April, 1947, total included 7,240 tons of semi-finished shapes; 12,835 tons of structurals; 17,652 tons of plates; 30,392 tons of rails; 52,717 tons of hot rolled bars; 12,080 tons of pipes and tubes; 14,478 tons of wire rods; 15,109 tons of black sheets; 7,487 tons of galvanized sheets; 477 tons of tool steel; 6,540 tons of castings, and 29,675 tons of other shapes. The amount of producers' interchange was 75,474 tons in April and 68,045 tons in March.

Of the amount shipped for sale during April, 57,527 tons went direct to railways and railway car shops; 10,882 tons to pressing forming and stamping plants; 22,318 tons to merchant trade products; 21,660 tons to building construction; 9,978 tons to the containers industry; 11,296 tons to agricultural equipment; 9,403 tons to the automotive industry; 20,607 tons to machinery plants; 3,468 tons to shipbuilding; 6,374 tons to mining, lumber, etc., and 1,889 tons to miscellaneous industries. Wholesalers and warehousing accounted for 26,126 tons and exports for 5,154 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 75,474 tons in April.

Table 1 - Production of Pig Iron in Canada, April, and Year to Date, 1947

	April	Year to Date
	(Tons of 2,000 pounds)	
Basic	128,233	516,642
Foundry	19,452	85,329
Malleable	13,064	51,126
Total	160,749	653,097

Table 2 - Production of Steel Ingots and Castings in Canada, April, and Year to Date, 1947

	April		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	203,015	6,674	812,659	21,970
Electric	31,190	4,119	124,220	16,024
Total Ingots	234,205	10,793	936,879	37,994
Steel castings	5,774	1,243	20,364	5,226
Total Ingots and Castings ..	239,979	12,036	957,243	43,220

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, April, 1947

	Production (including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	7,649	4,601	3,449
Other semi-finished shapes, not for re-rolling by makers	33,981	2,077	31,823
Structural shapes and piling	12,367	12,835	...
Plates	15,910	17,652	...
Rails	27,278	30,392	...
Tie plates and track material -			
Splice bars	2,505	1,567	...
Tie plates	2,062	2,737	...
Spikes	1,498	1,335	...
Tool steel	121	203	...
Concrete reinforcing bars	6,204	5,475	...
Hot rolled bars for cold finishing	490	...	630
Other hot rolled bars	44,023	40,017	6,751
Pipes and tubes	13,511	12,080	...
Wire rods	22,708	14,458	10,167
Hot rolled black sheets	20,462	11,565	7,004
Cold reduced black sheets	3,544	3,544	...
Galvanized sheets	7,544	7,487	...
Steel castings - Made by ingot makers	1,669	1,662	...
Made in other foundries	4,105	3,736	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	39,535	23,921	15,454
Total - Carbon Steel	267,166	197,344	75,278
<u>Alloy Steel</u>			
Billets, etc., for forging	658	562	...
Other semi-finished shapes, not for re-rolling by makers	196	...	196
Structural shapes and piling .....	...	...	...
Plates .....	...	...	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	263	274	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,349	7,225	...
Pipes and tubes .....	...	...	...
Wire rods	20	20	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	37	53	...
Made in other foundries	1,206	1,089	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	115	115	...
Total - Alloy Steel	9,844	9,338	196

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plant or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Four Months Ended April, 1947

	Production (including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	29,574	18,494	11,282
Other semi-finished shapes, not for re-rolling by makers	146,616	56,821	105,987
Structural shapes and piling	55,283	54,163	25
Plates	67,563	68,096	32
Rails	87,024	87,453	...
Tie plates and track material -			
Splice bars	5,810	4,814	...
Tie plates	17,951	17,499	...
Spikes	5,374	5,706	...
Tool steel	653	841	...
Concrete reinforcing bars	26,081	24,537	...
Hot rolled bars for cold finishing	3,519	...	3,536
Other hot rolled bars	178,087	149,874	31,038
Pipes and tubes	46,311	50,765	40
Wire rods	92,487	69,127	25,664
Hot rolled black sheets	79,703	49,671	27,809
Cold reduced black sheets	11,475	11,475	...
Galvanized sheets	30,504	29,057	118
Steel castings - Made by ingot makers	5,838	5,489	...
Made in other foundries	14,526	13,939	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	145,108	87,946	55,554
Total - Carbon Steel	1,049,487	805,767	261,085
<u>Alloy Steel</u>			
Billets, etc., for forging	2,432	2,164	48
Other semi-finished shapes, not for re-rolling by makers	939	373	572
Structural shapes and piling .....	...	...	...
Plates	42	...	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	1,361	1,237	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other cold rolled bars	24,381	24,153	...
Pipes and tubes .....	...	...	...
Wire rods	70	67	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	194	184	...
Made in other foundries	5,032	4,721	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	684	595	...
Total - Alloy Steel	35,135	33,494	620

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, April and Year to Date, 1947

Industry	April		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy sheet
(Tons of 2,000 pounds)				
Automotive industries	5,832	3,571	27,376	15,848
Agricultural, including farm machinery ..	11,214	82	39,852	430
Building construction	21,502	158	97,152	297
Containers industry	9,971	7	58,445	19
Machinery and tools	20,145	462	59,203	2,359
Merchant trade products	21,992	326	89,498	877
Mining, lumbering, etc.	5,910	464	25,768	1,961
National defence	11	1	174	5
Pressing, forming and stamping	10,761	121	43,245	356
Public works and utilities	873	41	3,586	169
Railway operating	42,263	288	128,402	917
Railway cars and locomotives	14,877	99	31,788	266
Shipbuilding	3,430	38	15,547	109
Miscellaneous and unclassified	858	105	3,767	361
Wholesalers and warehouses	25,921	205	115,858	1,343
Direct export (a) to British Empire	1,453	130	55,834	597
(b) to other countries	331	3,240	10,272	7,580
Total Shipped For Sale	197,344	9,338	805,767	33,494
Producers' interchange	75,278	196	261,085	620

Table 6 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1947

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Foundry	U.S.A.	677	...	...	1,659	...	...
Malleable	U.S.A.	...	...	...	56	...	...
Silvery	U.S.A.	46	...	...	97	...	...
Ingots	U.S.A.	261	...	...	608	...	...
Blooms, billets, slabs and sheet bars	U.S.A.	15	1	...	21	152	...
Tube rounds and tube billets (O.H.)	U.S.A.	...	...	...	545	...	...
Bars and Sections -							
Hot rolled, n.o.p.	U.S.A.	5,404	165	5.1	17,306	1,949	13.7
	England	7	...	.5	19	...	17.9
Hot rolled -							
For agricultural implements	U.S.A.	1,760	880	...	9,538	3,735	...
Rounds over 4 7/8", squares over 4" ..	U.S.A.	64	14	...	462	57	.2
	England	...	...	...	...	...	.4
Angles, channels, etc.	U.S.A.	399	...	2.8	1,849	...	4.5
	Belgium	...	...	...	45	...	...
Sash or casement sections	U.S.A.	53	...	...	687	...	...
Bars - Cold finished, n.o.p.	U.S.A.	2,027	23	1.3	7,098	88	10.3
	England	1	...	.5	28	...	18.3
Bars - Cold finished, for agricultural implements	U.S.A.	435	...	...	2,634	10	...
Bars - Tool steel	U.S.A.	13	34	...	60	197	...
	England	36	16	...	199	92	...
Structurals	U.S.A.	13,113	...	...	44,865	...	...
	England	15	...	...	15	...	...
Plates - 78" and under							
Over 78" and under 100"	U.S.A.	4,475	...	20.9	15,633	10	37.9
Over 100"	U.S.A.	3,316	13	...	8,647	147	12.4
Over 100"	U.S.A.	1,084	...	...	2,874	...	8.2
Flanged, dished or curved	U.S.A.	92	...	.8	468	...	.8
Boiler, pulp digesters, etc.	U.S.A.	345	...	.6	880	...	16.5
	England	131	...	...	131	...	...
Chequered or surface pattern	U.S.A.	901	...	...	2,143	...	...

Table 6 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1947 (Continued)

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates (Con.) -							
Painted, tar asphaltum	U.S.A.	1	...	...	22	...	...
Galvanized	U.S.A.	...	...	...	146	...	...
Sheets -							
Silicon .075 or more	U.S.A.	...	1,346	...	...	4,888	...
Galvanized	U.S.A.	871	...	...	2,293	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	4,058	7	...	15,641	33	...
Lighter than 18 gauge	U.S.A.	582	...	...	1,433	...	...
For hollow ware (vitreous enamel)	U.S.A.	393	...	...	1,479	...	...
Corrugated	U.S.A.	228	...	...	756	...	...
5½ per pound and over	U.S.A.	8	...	...	23	...	...
Coated with paint, asphaltum, etc.	U.S.A.	23	...	...	79	...	...
Shaped for agricultural implements	U.S.A.	30	...	...	238	...	...
For saws	U.S.A.	131	81	...	250	413	...
For cold rolled strip	U.S.A.	45	...	...	376	...	...
For tubes	U.S.A.	...	...	...	87	...	...
Stainless	U.S.A.	...	...	19.5	...	...	74.5
	England	...	...	13.3	...	...	73.2
Cold rolled -							
18 gauge and heavier	U.S.A.	1,520	...	...	4,596	...	...
	England	20	...	...	20	...	...
Lighter than 18 gauge	U.S.A.	2,652	...	...	8,621	...	...
	England	31	...	...	221	...	...
For hollow ware (vitreous enamel)	U.S.A.	122	...	...	300	...	...
Black plate (tin mill)	U.S.A.	734	...	...	4,802	...	...
Coated with paint, tar, asphaltum, etc..	U.S.A.	...	...	...	9	...	...
For saws	U.S.A.	...	2	...	...	15	...
	England	...	3	...	...	11	...
	Sweden	...	...	...	...	6	...
For heating apparatus	U.S.A.	...	...	...	8	...	...
For tubes	U.S.A.	156	...	...	1,450	...	...
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	...	...	...	6	...	...
Silicon .075 or more	U.S.A.	...	2	...	...	2	...
Stainless	U.S.A.	...	...	203.5	...	...	647.2
	England	...	...	3.6	...	...	3.7
Black plate - For tinning	U.S.A.	7,270	...	...	28,443	...	...
Tin plate - Primes	U.S.A.	2,715	...	...	7,486	...	...
	England	14	...	...	87	...	...
Waste waste	U.S.A.	10	...	...	99	...	...
Electrolytic - Primes (25#)	U.S.A.	1,747	...	...	6,757	...	...
" (75#)	U.S.A.	...	...	...	38	...	...
Waste waste	U.S.A.	26	...	...	131	...	...
Terne plate -							
Long	U.S.A.	305	...	...	1,079	...	...
Short	U.S.A.	734	...	...	1,096	...	...
Waste waste	U.S.A.	...	...	...	21	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,580	...	...	4,315	39	...
Lighter than 18 gauge	U.S.A.	144	...	...	526	...	...
For cold rolling	U.S.A.	924	...	...	3,679	...	...
Painted	U.S.A.	389	...	...	1,648	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	149	...	...	401	...	...
For saws	U.S.A.	...	28	...	47	131	...
For barrel hoops	U.S.A.	189	...	...	899	...	...
For motor vehicles	U.S.A.	1,007	...	...	2,995	...	...
Corrugated	Australia	...	...	...	1	...	...

Table 6 - Imports of Primary Forms of Iron and Steel, April, and Year to Date, 1947 (Continued)

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip (Con.) -							
Hot rolled (Con.) -							
For tubes	U.S.A.	...	...	...	1	...	...
For tubular products	U.S.A.	...	...	...	73	...	...
Silicon .075 or more	U.S.A.	...	313	...	...	662	...
Stainless	U.S.A.	...	...	4.4	...	...	14.9
	England	...	...	...	...	...	.2
Cold rolled -							
18 gauge and heavier	U.S.A.	367	...	...	1,222	29	...
	England	...	...	...	4	...	...
Lighter than 18 gauge	U.S.A.	520	...	...	2,133	...	...
	England	...	...	...	12	...	...
	Sweden	51	...	...	108	...	...
For shoe, corset laces, etc.	U.S.A.	75	...	...	275	...	...
Painted	U.S.A.	35	...	...	142	...	...
For saws	Sweden	3	...	...	13	31	...
	U.S.A.	7	10	...	13	44	...
For butt hinges	U.S.A.	...	...	...	27	...	...
For tubes	U.S.A.	109	...	...	113	...	...
For tubular products	U.S.A.	307	...	.1	649	...	.1
Silicon .075 or more	U.S.A.	...	133	...	...	298	...
Stainless	U.S.A.	...	...	71.9	...	...	434.7
	England	...	...	...	...	...	1.6
Galvanized strip	U.S.A.	728	...	...	2,379	...	...
Skelp - Over 14" wide							
Not more than 14" in width	U.S.A.	(See revised break-down			1,170	...	...
Over 15 3/8" in width	U.S.A.	commencing March, 1947)			11,558	...	...
15 3/8" and under	U.S.A.	...	...	...	417	...	...
	U.S.A.	5,801	...	...	10,771	...	...
Pipes and Tubes -							
Cast	U.S.A.	15	...	...	21	...	...
Bedstead	U.S.A.	86	...	...	241	...	...
Boiler and pulp mill digesters -							
Hot finished	U.S.A.	1,048	...	...	3,944	36	...
Cold drawn	U.S.A.	303	12	.1	605	15	4.3
	England	...	...	...	1	...	...
Cold drawn, seamless	U.S.A.	...	...	...	...	...	1.0
Welded	U.S.A.	221	...	...	390	...	...
Seamless, under 10 1/2" dia. - Cold finished.	U.S.A.	(See			995	150	22.4
	England	revised			13	3	11.2
Hot finished .	U.S.A.	break-down			318	...	...
Seamless, more than 10 1/2" diameter -	U.S.A.	commencing					
Hot finished .	U.S.A.	March, 1947)			213	1	...
Seamless, 12" and under in diameter -							
Cold drawn ...	U.S.A.	716	14	29.3	1,245	84	50.6
	England	3	...	2.7	11	1	9.0
Hot finished .	U.S.A.	120	...	...	251	...	...
Seamless, more than 12" in diameter -							
Hot finished .	U.S.A.	88	...	...	117	...	...
Welded, more than 10 1/2" diameter	U.S.A.	(See revised break-down			166	...	...
	England	commencing			205	...	...
Welded, under 10 1/2" in diameter	U.S.A.	March, 1947)			1,127	1	1.6
Welded, 4" and under in diameter	U.S.A.	459	...	1.7	827	...	2.0
	England	96	...	...	96	...	...
Welded, more than 4" in diameter	U.S.A.	208	...	.2	317	...	.2
	England	...	...	...	41	...	...
Tubing -							
Not over 1/2" diameter, welded and coated ..	U.S.A.	17	...	...	53	...	...
Invasion	U.S.A.	33	...	...	776	...	...
Casing	U.S.A.	346	...	...	532	...	...
Fittings and couplings	U.S.A.	121	...	.3	501	...	3.2

Primary

- 7 -

Table 6 - Imports of Primary Forms of Iron and Steel, April, and Year to Date, 1947 (Concluded)

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire rope	U.S.A.	58	...	...	317	...	...
	England	8	...	...	109	...	...
Wire -							
For wire rope	U.S.A.	1,591	...	.8	6,083	...	5.2
	England	113	...	...	185	...	...
For corset laces, steels, etc.	U.S.A.	19	...	...	63	...	...
	England	...	...	...	1	...	...
For spring mattress, etc.	U.S.A.	193	...	...	607	...	...
For fencing, galvanized	U.S.A.	93	...	...	225	...	...
Wire cloth and netting	U.S.A.	147	...	...	477	...	...
	England	57	...	...	95	...	...
Wire, coated	U.S.A.	75	...	...	426	...	...
Wire - All other	U.S.A.	608	...	1.1	2,093	...	9.6
	England	...	...	...	17	...	...
Wire rods, not over 3/8" in diameter	U.S.A.	...	...	...	228	...	...
Welding rods and welding wire	U.S.A.	35	10	2.8	353	57	14.2
	England	...	...	...	...	...	.3
Castings -							
For agricultural implements	U.S.A.	29	...	...	605	...	...
For ingot moulds	U.S.A.	2,115	...	...	9,325	...	...
Malleable	U.S.A.	79	...	...	222	...	...
Non-malleable	U.S.A.	154	...	...	467	...	...
	England	...	...	...	13	...	...
Steel	U.S.A.	16	16	...	130	21	...
Rolls	U.S.A.	79	...	...	362	129	...
	England	...	...	...	1	...	...
For railway vehicles	U.S.A.	155	...	...	351	...	...
Semi-finished piston	U.S.A.	68	...	...	310	...	...
Forgings	U.S.A.	135	2	...	416	80	...
	England	...	...	...	...	33	...
Wheels -							
For railway rolling stock	U.S.A.	124	...	...	970	...	...
	England	...	...	...	235	...	...
Pressed	U.S.A.	42	...	...	174	...	...
Tires -							
For railway rolling stock	U.S.A.	288	...	...	1,405	...	...
	England	180	...	...	405	1	...
Axles -							
For railway vehicles	U.S.A.	7	...	...	12	...	...
For all other vehicles	U.S.A.	106	...	...	160	...	...
Rails -							
60 pounds and under	U.S.A.	1	...	...	321	...	...
Over 60 pounds and under 100 pounds	U.S.A.	634	...	...	1,081	...	...
Over 100 pounds	U.S.A.	1	...	...	1	...	...
Grooved for electric tramways	U.S.A.	218	...	...	290	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	40	...	...	459	...	...
Intersections, switches, frogs	U.S.A.	2	...	...	27	...	...

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

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UNIVERSITY OF TORONTO

DEPT. OF POLITICAL ECONOMY

BAROMETRICS FILE "J"

Monthly ReportonPRIMARY IRON AND STEEL IN CANADAMAY, 1947

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 202,681 net tons in May, 1947, compared with 206,708 net tons in April, 1947. The May, 1947, total included 5,648 tons of semi-finished shapes; 14,064 tons of structurals; 19,019 tons of plates; 15,164 tons of rails; 51,289 tons of hot rolled bars; 12,816 tons of pipes and tubes; 16,897 tons of wire rods; 20,404 tons of black sheets; 7,353 tons of galvanized sheets; 395 tons of tool steel; 7,775 tons of castings, and 31,858 tons of other shapes. The amount of producers' interchange was 74,813 tons in May and 75,474 tons in April.

Of the amount shipped for sale during May, 43,220 tons went direct to railways and railway car shops; 14,130 tons to pressing, forming and stamping plants; 20,628 tons to merchant trade products; 26,022 tons to building construction; 16,912 tons to the containers industry; 9,236 tons to agricultural equipment; 12,820 tons to the automotive industry; 12,822 tons to machinery plants; 5,231 tons to shipbuilding; 8,802 tons to mining, lumber, etc., and 2,166 tons to miscellaneous industries. Wholesalers and warehousing accounted for 25,669 tons and exports for 5,023 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 74,813 tons in May.

Table 1 - Production of Pig Iron in Canada, May, and Year to Date, 1947.

	May	Year to Date
	(Tons of 2,000 pounds)	
Basic	123,962	640,604
Foundry	23,890	109,219
Malleable	12,378	63,504
Total	160,230	813,327

Table 2 - Production of Steel Ingots and Castings in Canada, May, and Year to Date, 1947

	May		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel Ingots - Open hearth	190,734	6,347	1,003,393	28,317
Electric	34,058	4,839	158,278	20,863
Total Ingots	224,792	11,186	1,161,671	49,180
Steel Castings	6,328	1,412	26,692	6,638
Total Ingots and Castings ...	231,120	12,598	1,188,363	55,818

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, May, 1947

	Production	Shipments	
	(including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>CARBON STEEL</u>			
Billets, etc., for forging	8,320	4,620	3,505
Other semi-finished shapes, not for re-rolling by makers	34,935	421	31,721
Structural shapes and piling	15,838	14,064	...
Plates	19,061	19,018	...
Rails	14,237	15,164	...
Tie plates and track material -			
Splice bars	288	1,238	...
Tie plates	4,995	4,790	...
Spikes	1,673	1,738	...
Tool steel	87	137	...
Concrete reinforcing bars	5,601	6,235	...
Hot rolled bars for cold finishing	1,490	...	1,503
Other hot rolled bars	43,285	36,151	7,148
Pipes and tubes	12,047	12,815	2
Wire rods	25,755	16,883	8,027
Hot rolled black sheets	26,619	16,818	6,164
Cold reduced black sheets	3,586	3,586	...
Galvanized sheets	7,229	7,353	52
Steel castings - Made by ingot makers	1,984	2,183	...
Made in other foundries	4,344	4,351	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	39,802	23,997	16,406
Total - Carbon Steel	271,176	191,562	74,528
<u>ALLOY STEEL</u>			
Billets, etc., for forging	860	607	117
Other semi-finished shapes, not for re-rolling by makers	168	...	168
Structural shapes and piling .....	...	...	...
Plates	1	1	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	203	258	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	8,634	8,903	...
Pipes and tubes .....	...	...	...
Wire rods	14	14	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	54	46	...
Made in other foundries	1,358	1,195	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	75	95	...
Total - Alloy Steel	11,367	11,119	285

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plant or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Five Months Ended May, 1947

	Production (including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>CARBON STEEL</u>			
Billets, etc., for forging	37,894	23,114	14,787
Other semi-finished shapes, not for re-rolling by makers	181,551	57,242	137,708
Structural shapes and piling	71,121	68,227	25
Plates	86,624	87,114	32
Rails	101,261	102,617	...
Tie plates and track material -			
Splice bars	6,098	6,052	...
Tie plates	22,946	22,289	...
Spikes	7,220 (x)	7,628 (x)	...
Tool steel	740	978	...
Concrete reinforcing bars	31,682	30,772	...
Hot rolled bars for cold finishing	5,009	...	5,039
Other hot rolled bars	221,372	186,025	38,186
Pipes and tubes	58,358	63,580	42
Wire rods	118,242	86,010	33,691
Hot rolled black sheets	106,322	66,489	33,973
Cold reduced black sheets	15,061	15,061	...
Galvanized sheets	37,733	36,410	170
Steel castings - Made by ingot makers	7,822	7,672	...
Made in other foundries	18,870	18,290	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	184,910	111,943	71,960
Total - Carbon Steel	1,320,836	997,513	335,613
<u>ALLOY STEEL</u>			
Billets, etc., for forging	3,292	2,771	165
Other semi-finished shapes, not for re-rolling by makers	1,107	373	740
Structural shapes and piling .....	...	...	...
Plates	43	1	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	1,564	1,495	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other cold rolled bars	33,015	33,056	...
Pipes and tubes .....	...	...	...
Wire rods	84	81	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	248	230	...
Made in other foundries	6,390	5,916	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	759	690	...
Total - Alloy Steel	46,502	44,613	905

(x) Revised.

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, May and Year to Date, 1947

Industry	May		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	7,066	5,754	34,442	21,602
Agricultural, including farm machinery ...	9,174	62	49,026	492
Building construction	25,966	56	123,118	353
Containers industry	16,908	4	75,353	23
Machinery and tools	12,206	616	71,409	2,975
Merchant trade products	20,458	170	109,956	1,047
Mining, lumbering, etc.	8,295	507	34,063	2,468
National defence	36	...	210	5
Pressing, forming and stamping	14,090	40	57,335	396
Public works and utilities	1,280	52	4,866	221
Railway operating	26,228	213	154,814	1,130
Railway cars and locomotives	16,647	132	48,435	398
Shipbuilding	5,217	14	20,764	123
Miscellaneous and unclassified	718	80	4,485	441
Wholesalers and warehouses	25,478	191	141,336	1,534
Direct export (a) to British Empire	1,091	121	56,925	718
(b) to Other countries	704	3,107	10,976	10,687
Total Shipped For Sale	191,562	11,119	997,513	44,613
Producers' interchange	74,528	285	335,613	905

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up.

41-001

UNIVERSITY OF TORONTO

DEPT. OF POLITICAL ECONOMY

Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-11-8-47

Price -
10 centsDepartment of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

Dominion Statistician:

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Monthly Report✓
onPRIMARY IRON AND STEEL IN CANADA - MAY, 1947(Part II)

BAROMETRICS FILE 9

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up. The statement on production and shipments in May, 1947 was released on July 16.

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MAY AND YEAR TO DATE, 1947

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Foundry	U.S.A.	909	...	...	2,568	...	...
Malleable	U.S.A.	104	...	...	160	...	...
Silvery	U.S.A.	...	...	...	97	...	...
Ingots	U.S.A.	350	...	...	958	...	...
Blooms, billets, slabs and sheet bars	U.S.A.	67	43	...	88	195	...
Tube rounds and tube billets (O.H.)	U.S.A.	1,466	...	...	2,011	...	...
Bars and Sections -							
Hot rolled, n.o.p.	U.S.A.	5,087	110	5.3	22,393	2,059	19.0
	England	28	...	5.6	47	...	23.5
Hot rolled -							
For agricultural implements	U.S.A.	1,410	272	...	10,948	4,005	...
Rounds over 4 7/8", squares over 4" ..	U.S.A.	144	12	...	606	69	.2
	England	...	...	.4	...	...	.8
Angles, channels, etc.	U.S.A.	317	...	2.5	2,166	...	7.0
	Belgium	...	...	...	45	...	...
Sash or casement sections	U.S.A.	260	...	...	947	...	...
Bars - Cold finished, n.o.p.	U.S.A.	2,051	38	3.7	9,149	126	14.0
	England	2	...	1.5	30	...	19.8
Bars - Cold finished, for agricultural implements	U.S.A.	251	...	...	2,885	10	...
Bars - Tool steel	U.S.A.	22	39	...	82	236	...
	England	6	19	...	205	111	...
Structurals	U.S.A.	11,142	...	...	56,007	...	...
	England	...	...	...	15	...	...

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MAY AND YEAR TO DATE, 1947 (Continued)

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Plates - 78" and under	U.S.A.	6,034	7	13.8	21,667	17	101.7
Over 78" and under 100"	U.S.A.	3,713	...	13.1	12,360	147	25.5
Over 100"	U.S.A.	459	...	...	3,333	...	8.2
Flanged, dished or curved	U.S.A.	82	...	2.1	550	...	2.9
Boiler, pulp digesters, etc.	U.S.A.	375	...	1.5	1,255	...	17.8
	England	...	...	...	131	...	...
Chequered or surface pattern	U.S.A.	945	...	...	3,088	...	...
Painted, tar asphaltum	U.S.A.	...	...	...	22	...	...
Galvanized	U.S.A.	...	...	...	146	...	...
Sheets -							
Silicon .075 or more	U.S.A.	...	1,408	...	...	6,296	...
Galvanized	U.S.A.	996	...	...	3,289	...	...
	England	161	...	...	161	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	4,597	...	...	20,238	33	...
Lighter than 18 gauge	U.S.A.	634	...	...	2,067	...	...
	England	3	...	...	3	...	...
For hollow ware (vitreous enamel)	U.S.A.	459	...	...	1,938	...	...
Corrugated	U.S.A.	18	...	...	774	...	...
5¢ per pound and over	U.S.A.	5	...	...	28	...	...
Coated with paint, asphaltum, etc.	U.S.A.	24	...	...	103	...	...
Shaped for agricultural implements	U.S.A.	...	...	...	238	...	...
For saws	U.S.A.	174	138	...	424	551	...
	England	...	3	...	...	3	...
For cold rolled strip	U.S.A.	70	...	...	446	...	...
For tubes	U.S.A.	...	...	...	87	...	...
Stainless	U.S.A.	...	...	18.6	...	...	93.1
	England	...	...	4.1	...	...	77.3
Cold rolled -							
18 gauge and heavier	U.S.A.	1,193	...	...	5,789	...	...
	England	...	...	...	20	...	...
Lighter than 18 gauge	U.S.A.	2,187	...	...	10,808	...	...
	England	...	...	...	221	...	...
For hollow ware (vitreous enamel)	U.S.A.	184	...	...	484	...	...
Black plate (tin mill)	U.S.A.	1,098	...	...	5,900	...	...
Coated with paint, tar, asphaltum, etc.	U.S.A.	1	...	...	10	...	...
For saws	U.S.A.	...	1	...	...	16	...
	England	...	1	...	...	12	...
	Sweden	...	...	...	...	6	...
For heating apparatus	U.S.A.	123	...	...	131	...	...
For tubes	U.S.A.	742	...	...	2,192	...	...
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	...	...	...	6	...	...
Silicon .075 or more	U.S.A.	...	89	...	...	91	...
Stainless	U.S.A.	...	...	249.3	...	...	896.5
	England	...	...	...	...	...	3.7
Black plate - For tinning	U.S.A.	3,473	...	...	31,916	...	...
Tin plate - Primes	U.S.A.	4,377	...	...	11,863	...	...
	England	27	...	...	114	...	...
Waste waste	U.S.A.	202	...	...	301	...	...
Electrolytic - Primes (25#) ..	U.S.A.	1,107	...	...	7,864	...	...
" (75#) ..	U.S.A.	...	...	...	38	...	...
Waste waste ..	U.S.A.	100	...	...	231	...	...
Terne plate -							
Long	U.S.A.	345	...	...	1,424	...	...
Short	U.S.A.	610	...	...	1,706	...	...
Waste waste	U.S.A.	...	...	...	21	...	...

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MAY AND YEAR TO DATE, 1947 (Continued)

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,418	...	...	5,733	39	...
Lighter than 18 gauge	U.S.A.	156	...	...	682	...	...
For cold rolling	U.S.A.	681	...	...	4,360	...	...
5¢ per pound and over	U.S.A.	1	...	...	1	...	...
Painted	U.S.A.	333	...	...	1,981	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	125	...	...	526	...	...
For saws	U.S.A.	60	120	...	107	251	...
For barrel hoops	U.S.A.	340	...	...	1,239	...	...
For motor vehicles	U.S.A.	717	25	...	3,712	25	...
Corrugated	Australia	...	...	...	1	...	...
For tubes	U.S.A.	...	...	...	1	...	...
For tubular products	U.S.A.	17	...	...	90	...	...
Silicon .075 or more	U.S.A.	...	282	...	...	944	...
Stainless	U.S.A.	...	...	6.8	...	...	21.7
	England	...	...	.1	...	...	.4
Cold rolled -							
18 gauge and heavier	U.S.A.	305	...	...	1,527	29	...
	England	...	...	...	4	...	...
Lighter than 18 gauge	U.S.A.	426	...	...	2,559	...	...
	England	...	...	...	12	...	...
	Sweden	86	...	...	194	...	...
For shoe, corset laces, etc.	U.S.A.	74	...	...	349	...	...
Painted	U.S.A.	35	...	...	177	...	...
For saws	Sweden	...	...	...	13	31	...
	U.S.A.	...	17	...	13	61	...
For butt hinges	U.S.A.	1	...	...	28	...	...
For tubes	U.S.A.	185	...	...	298	...	...
For tubular products	U.S.A.	269	...	...	918	...	.1
Silicon .075 or more	U.S.A.	...	29	...	...	327	...
Stainless	U.S.A.	...	...	26.6	...	...	461.3
	England	...	...	1.8	...	...	3.4
Galvanized strip	U.S.A.	788	...	...	3,167	...	...
Skelp - Over 14" wide							
Not more than 14" in width	U.S.A.	(See revised break-down			1,170	...	...
Over 15 3/8" in width	U.S.A.	commencing March, 1947)			11,558	...	...
15 3/8" and under	U.S.A.	...	...	...	417	...	...
	U.S.A.	4,524	...	...	15,295	...	...
Pipes and Tubes -							
Cast	U.S.A.	147	...	.1	168	...	.1
Bedstead	U.S.A.	86	...	...	327	...	...
Boiler and pulp mill digesters -							
Hot finished	U.S.A.	1,149	9	...	5,093	45	...
Cold drawn	U.S.A.	251	...	...	856	15	4.3
	England	...	...	...	1	...	...
Cold drawn, seamless	U.S.A.	...	...	...	...	...	1.0
Welded	U.S.A.	67	...	...	457	...	...
Seamless, under 10½" dia. - Cold finished	U.S.A.	...	...	...	995	150	22.4
	England	...	...	...	13	3	11.2
Hot finished.	U.S.A.	(See revised breakdown			318	...	...
Seamless, more than 10½" diameter -	commencing March, 1947)						
Hot finished.	U.S.A.	...	...	...	213	1	...

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MAY AND YEAR TO DATE, 1947 (Continued)

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and Tubes (Con.) -							
Seamless, 12" and under in diameter -							
Cold drawn ..	U.S.A.	639	53	10.7	1,884	137	61.3
Hot finished.	England	14	...	3.9	25	1	12.9
Hot finished.	U.S.A.	300	2	...	551	2	...
Seamless, more than 12" in diameter -							
Hot finished.	U.S.A.	213	...	...	330	...	...
Cold drawn...	U.S.A.	1	...	...	1	...	...
Welded, more than 10½" diameter	U.S.A.	(See revised breakdown commencing March, 1947)			166	...	...
	England				205	...	...
Welded, under 10½" in diameter	U.S.A.				1,127	1	1.6
Welded, 4" and under in diameter	U.S.A.	538	...	3.3	1,365	...	5.3
	England	19	...	...	115	...	...
Welded, more than 4" in diameter	U.S.A.	76	...	...	393	...	.2
	England	...	...	...	41	...	...
Tubing -							
Not over ½" diameter, welded and coated..	U.S.A.	14	...	...	67	...	...
Invasion	U.S.A.	186	...	...	962	...	...
Casing	U.S.A.	655	...	...	1,187	...	...
Fittings and couplings	U.S.A.	179	...	.4	680	...	3.6
Wire rope	U.S.A.	68	...	.5	385	...	.5
	England	28	...	...	137	...	...
Wire -							
For wire rope	U.S.A.	1,206	...	...	7,289	...	5.2
	England	45	...	...	230	...	...
For corset laces, steels, etc.	U.S.A.	10	...	...	73	...	...
	England	...	...	...	1	...	...
For spring mattress, etc.	U.S.A.	116	...	...	723	...	...
For fencing, galvanized	U.S.A.	93	...	...	318	...	...
Wire cloth and netting	U.S.A.	106	...	...	583	...	...
	England	25	...	...	120	...	...
Wire, coated	U.S.A.	117	...	...	543	...	...
Wire - All other	U.S.A.	461	...	3.5	2,554	...	13.1
	England	...	...	...	17	...	...
Wire rods, not over 3/8" in diameter	U.S.A.	61	...	...	289	...	...
Welding rods and welding wire	U.S.A.	172	1	1.9	525	58	16.1
	England	...	...	...	...	...	.3
Castings -							
For agricultural implements	U.S.A.	70	...	...	675	...	...
For ingot moulds	U.S.A.	2,948	...	...	12,273	...	...
Malleable	U.S.A.	38	...	...	260	...	...
Non-malleable	U.S.A.	82	...	...	549	...	...
	England	...	...	...	13	...	...
Steel	U.S.A.	120	11	...	250	32	...
Rolls	U.S.A.	37	123	...	399	252	...
	England	...	...	...	1	...	...
For railway vehicles	U.S.A.	103	...	...	454	...	...
Semi-finished piston	U.S.A.	45	...	...	355	...	...
Forgings							
	U.S.A.	85	75	...	501	155	...
	England	...	...	...	...	33	...
Wheels -							
For railway rolling stock	U.S.A.	34	...	...	1,004	...	...
	England	11	...	...	246	...	...
Pressed	U.S.A.	1	...	...	175	...	...

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MAY AND YEAR TO DATE, 1947 (Concluded)

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Tires -							
For railway rolling stock	U.S.A.	409	...	...	1,814	...	...
	England	237	...	...	642	1	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	12	...	...
For all other vehicles	U.S.A.	20	...	...	180	...	...
Rails -							
60 pounds and under	U.S.A.	17	...	...	338	...	...
Over 60 pounds and under 100 pounds	U.S.A.	100	...	...	1,181	...	...
Over 100 pounds	U.S.A.	...	...	...	1	...	...
Grooved for electric tramways	U.S.A.	265	...	...	555	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	199	...	...	658	...	...
Intersections, switches, frogs	U.S.A.	1	...	...	28	...	...

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MAY AND YEAR TO DATE, 1947 (Continued)

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and Tubes (Con.) -							
Seamless, 12" and under in diameter -							
Cold drawn ..	U.S.A.	639	53	10.7	1,884	137	61.3
	England	14	...	3.9	25	1	12.9
Hot finished.	U.S.A.	300	2	...	551	2	...
Seamless, more than 12" in diameter -							
Hot finished.	U.S.A.	213	...	...	330	...	...
Cold drawn...	U.S.A.	1	...	...	1	...	...
Welded, more than 10½" diameter	U.S.A.	(See revised breakdown commencing March, 1947)			166	...	...
	England				205	...	...
Welded, under 10½" in diameter	U.S.A.				1,127	1	1.6
Welded, 4" and under in diameter	U.S.A.	538	...	3.3	1,365	...	5.3
	England	19	...	...	115	...	...
Welded, more than 4" in diameter	U.S.A.	76	...	...	393	...	.2
	England	...	...	...	41	...	...
Tubing -							
Not over ½" diameter, welded and coated..	U.S.A.	14	...	...	67	...	...
Invasion	U.S.A.	186	...	...	962	...	...
Casing	U.S.A.	655	...	...	1,187	...	...
Fittings and couplings	U.S.A.	179	...	.4	680	...	3.6
Wire rope	U.S.A.	68	...	.5	385	...	.5
	England	28	...	...	137	...	...
Wire -							
For wire rope	U.S.A.	1,206	...	...	7,289	...	5.2
	England	45	...	...	230	...	...
For corset laces, steels, etc.	U.S.A.	10	...	...	73	...	...
	England	...	...	...	1	...	...
For spring mattress, etc.	U.S.A.	116	...	...	723	...	...
For fencing, galvanized	U.S.A.	93	...	...	318	...	...
Wire cloth and netting	U.S.A.	106	...	...	583	...	...
	England	25	...	...	120	...	...
Wire, coated	U.S.A.	117	...	...	543	...	...
Wire - All other	U.S.A.	461	...	3.5	2,554	...	13.1
	England	...	...	...	17	...	...
Wire rods, not over 3/8" in diameter	U.S.A.	61	...	...	289	...	...
Welding rods and welding wire	U.S.A.	172	1	1.9	525	58	16.1
	England	...	...	...	...	...	.3
Castings -							
For agricultural implements	U.S.A.	70	...	...	675	...	...
For ingot moulds	U.S.A.	2,948	...	...	12,273	...	...
Malleable	U.S.A.	38	...	...	260	...	...
Non-malleable	U.S.A.	82	...	...	549	...	...
	England	...	...	...	13	...	...
Steel	U.S.A.	120	11	...	250	32	...
Rolls	U.S.A.	37	123	...	399	252	...
	England	...	...	...	1	...	...
For railway vehicles	U.S.A.	103	...	...	454	...	...
Semi-finished piston	U.S.A.	45	...	...	355	...	...
Forgings							
	U.S.A.	85	75	...	501	155	...
	England	...	...	...	...	33	...
Wheels -							
For railway rolling stock	U.S.A.	34	...	...	1,004	...	...
	England	11	...	...	246	...	...
Pressed	U.S.A.	1	...	...	175	...	...

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, MAY AND YEAR TO DATE, 1947 (Concluded)

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Tires -							
For railway rolling stock	U.S.A.	409	...	...	1,814	...	...
	England	237	...	...	642	1	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	12	...	...
For all other vehicles	U.S.A.	20	...	...	180	...	...
Rails -							
60 pounds and under	U.S.A.	17	...	...	338	...	...
Over 60 pounds and under 100 pounds	U.S.A.	100	...	...	1,181	...	...
Over 100 pounds'	U.S.A.	...	...	...	1	...	...
Grooved for electric tramways	U.S.A.	265	...	...	555	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	199	...	...	658	...	...
Intersections, switches, frogs	U.S.A.	1	...	...	28	...	...

41-001

Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-11-8-47

Price -

10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

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Monthly Report

BAROMETRICS FILE "9"

✓ on

PRIMARY IRON AND STEEL IN CANADAJUNE, 1947

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 188,655 net tons in June, 1947, compared with 202,681 net tons in May, 1947. The June, 1947, total included 5,495 tons of semi-finished shapes; 15,533 tons of structurals; 14,797 tons of plates; 16,004 tons of rails; 45,424 tons of hot rolled bars; 10,876 tons of pipes and tubes; 17,535 tons of wire rods; 19,942 tons of black sheets; 7,481 tons of galvanized sheets; 513 tons of tool steel; 7,491 tons of castings, and 27,564 tons of other shapes. The amount of producers' interchange was 70,478 tons in June and 74,813 tons in May.

Of the amount shipped for sale during June, 42,050 tons went direct to railways and railway car shops; 10,885 tons to pressing, forming and stamping plants; 18,482 tons to merchant trade products; 24,201 tons to building construction; 17,980 tons to the containers industry; 8,049 tons to agricultural equipment; 10,255 tons to the automotive industry; 12,864 tons to machinery plants; 3,554 tons to shipbuilding; 6,706 tons to mining, lumber, etc., and 2,058 tons to miscellaneous industries. Wholesalers and warehousing accounted for 27,129 tons and exports for 4,442 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 70,478 tons in June.

Table 1 - PRODUCTION OF PIG IRON IN CANADA, JUNE, AND YEAR TO DATE, 1947

	June	Year to Date
	(Tons of 2,000 pounds)	
Basic	129,861	770,465
Foundry	21,996	131,215
Malleable	7,969	71,473
TOTAL	159,826	973,153

Table 2 - PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA, JUNE, AND YEAR TO DATE, 1947

	June		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel Ingots - Open hearth	189,025	6,815	1,192,418	35,132
Electric	29,978	4,763	188,256	25,626
Total Ingots	219,003	11,578	1,380,674	60,758
Steel Castings	6,141	1,460	32,833	8,098
TOTAL INGOTS AND CASTINGS	225,144	13,038	1,413,507	68,856

Table 3 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, JUNE, 1947

	Production (Including producers' interchange)	For sale	Shipments Producers' interchange
	(Tons of 2,000 pounds)		
<u>CARBON STEEL</u>			
Billets, etc., for forging	7,043	4,400	2,688
Other semi-finished shapes, not for re-rolling by makers	31,548	526	33,139
Structural shapes and piling	13,255	15,533	...
Plates	15,539	14,797	...
Rails	17,341	16,004	...
Tie plates and track material -			
Splice bars	1,200	1,050	2
Tie plates	2,603	2,966	...
Spikes	1,027	1,064	...
Tool steel	398	274	...
Concrete reinforcing bars	6,179	6,411	...
Hot rolled bars for cold finishing	178	...	187
Other hot rolled bars	36,622	32,433	5,581
Pipes and tubes	9,719	10,876	...
Wire rods	22,275	17,514	4,859
Hot rolled black sheets	22,664	16,861	6,488
Cold reduced black sheets	3,081	3,081	...
Galvanized sheets	7,644	7,481	...
Steel castings - Made by ingot makers	2,127	2,168	...
Made in other foundries	4,014	3,924	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	39,660	22,346	16,951
Total - Carbon Steel	244,117	179,709	69,895
<u>ALLOY STEEL</u>			
Billets, etc., for forging	682	569	...
Other semi-finished shapes, not for re-rolling by makers	583	...	583
Structural shapes and piling .....	...	...	...
Plates .....	...	...	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	388	239	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,465	6,580	...
Pipes and tubes .....	...	...	...
Wire rods	25	21	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	38	76	...
Made in other foundries	1,422	1,323	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	149	138	...
Total - Alloy Steel	9,752	8,946	583

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SIX MONTHS ENDED JUNE, 1947

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>CARBON STEEL</u>			
Billets, etc., for forging	44,937	27,514	17,475
Other semi-finished shapes, not for re-rolling by makers	213,099	57,768	170,847
Structural shapes and piling	84,376	83,760	25
Plates	102,163	101,911	32
Rails	118,602	118,621	...
Tie plates and track material -			
Splice bars	7,298	7,102	2
Tie plates	25,549	25,255	...
Spikes	8,247	8,692	...
Tool steel	1,138	1,252	...
Concrete reinforcing bars	37,861	37,183	...
Hot rolled bars for cold finishing	5,187	...	5,226
Other hot rolled bars	257,994	218,458	43,767
Pipes and tubes	68,077	74,456	42
Wire rods	140,517	103,524	38,550
Hot rolled black sheets	128,986	83,350	40,461
Cold reduced black sheets	18,142	18,142	...
Galvanized sheets	45,377	43,891	170
Steel castings - Made by ingot makers	9,949	9,840	...
Made in other foundries	22,884	22,214	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	224,570	134,289	88,911
Total - Carbon Steel	1,564,953	1,177,222	405,508
<u>ALLOY STEEL</u>			
Billets, etc., for forging	3,974	3,340	165
Other semi-finished shapes, not for re-rolling by makers	1,690	373	1,323
Structural shapes and piling .....	...	...	...
Plates	43	1	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	1,952	1,734	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other cold rolled bars	39,480	39,636	...
Pipes and tubes .....	...	...	...
Wire rods	109	102	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	286	306	...
Made in other foundries	7,812	7,239	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	908	828	...
Total - Alloy Steel	56,254	53,559	1,488

Table 5 - PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SUBDIVIDED ACCORDING TO PRINCIPAL CONSUMING INDUSTRIES, JUNE AND YEAR TO DATE, 1947

Industry	June		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	6,557	3,698	40,999	25,300
Agricultural, including farm machinery	7,988	61	57,014	553
Building construction	24,162	39	147,280	392
Containers industry	17,977	3	93,330	26
Machinery and tools	12,254	610	83,663	3,585
Merchant trade products	18,408	74	128,364	1,121
Mining, lumbering, etc.	6,113	593	40,176	3,061
National defence	94	...	304	5
Pressing, forming and stamping	10,818	67	68,153	463
Public works and utilities	975	48	5,841	269
Railway operating	26,305	230	181,119	1,360
Railway cars and locomotives	15,245	270	63,680	668
Shipbuilding	3,536	18	24,300	141
Miscellaneous and unclassified	828	113	5,313	554
Wholesalers and warehouses	27,003	126	168,339	1,660
Direct export (a) to British Empire ..	706	121	57,631	839
(b) to Other countries..	740	2,875	11,716	13,562
Total Shipped for Sale	179,709	8,946	1,177,222	53,559
Producers' interchange	69,895	583	405,508	1,488

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up.

41-001

Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-3-10-47.

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Ottawa - Canada

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Chief - Mining, Metallurgical and Chemical Statistics:	H. McLeod

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA JUNE, 1947

(Part II)

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up. The statement on production and shipments in June, 1947 was released on August 11.

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, JUNE AND YEAR TO DATE, 1947

Commodity	Country of Origin	June			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Foundry	U.S.A.	668	-	-	3,236	-	-
Malleable	U.S.A.	-	-	-	160	-	-
Silvery	U.S.A.	-	-	-	97	-	-
Ingot	U.S.A.	81	-	-	1,039	-	-
Blooms, billets, slabs and sheet bars ..	U.S.A.	43	3	-	131	198	-
Tube rounds and tube billets (O.H.)	U.S.A.	-	-	-	2,011	-	-
Bars and Sections -							
Hot rolled, n.O.p.	U.S.A.	4,169	82	5.2	26,562	2,141	24.2
	England	44	-	2.3	91	-	25.8
Hot rolled -							
For agricultural implements	U.S.A.	1,802	579	-	12,750	4,584	-
Rounds over 4 7/8", squares over 4"	U.S.A.	274	22	.1	880	91	.3
	England	-	-	-	-	-	.8
Angles, channels, etc.	U.S.A.	537	-	2.1	2,703	-	9.1
	Belgium	-	-	-	45	-	-
Sash or casement sections	U.S.A.	201	-	-	1,148	-	-
	England	73	-	-	73	-	-
Bars - Cold finished, n.O.p.	U.S.A.	1,719	14	1.9	10,868	140	15.9
	England	78	-	.1	108	-	19.9
Bars - Cold finished, for agricultural implements	U.S.A.	363	-	-	3,248	10	-
Bars - Tool steel	U.S.A.	11	105	-	93	341	-
	England	70	18	-	275	129	-
	Sweden	-	37	-	-	37	-
Bars - Structurals	U.S.A.	10,616	-	-	66,623	-	-
	England	128	-	-	143	-	-

Imports of Primary Forms of Iron and Steel, June and Year to Date, 1947 (continued)

Commodity	Country of Origin	June			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Plates - 78" and under	U.S.A.	4,458	18	19.5	26,125	35	121.2
	England	205	-	-	205	-	-
Over 78" and under 100"	U.S.A.	2,459	-	-	14,819	147	25.5
Over 100"	U.S.A.	535	-	23.1	3,868	-	31.3
Flanged, dished or curved	U.S.A.	128	-	-	678	-	2.9
Boiler, pulp digesters, etc. ...	U.S.A.	372	1	.6	1,627	1	18.4
	England	127	-	-	258	-	-
Chequered or surface pattern ...	U.S.A.	598	-	-	3,686	-	-
Painted, tar asphaltum	U.S.A.	6	-	-	28	-	-
Hot rolled for saws	U.S.A.	1	-	-	1	-	-
Galvanized	U.S.A.	-	-	-	146	-	-
Sheets -							
Silicon .075 or more	U.S.A.	-	1,586	-	-	7,882	-
Galvanized	U.S.A.	1,321	-	-	4,610	-	-
	England	-	-	-	161	-	-
Hot rolled -							
18 gauge and heavier	U.S.A.	4,210	3	-	24,448	36	-
Lighter than 18 gauge	U.S.A.	348	-	-	2,415	-	-
	England	-	-	-	3	-	-
For hollow ware (vitreous enamel) ...	U.S.A.	287	-	-	2,225	-	-
Corrugated	U.S.A.	57	-	-	831	-	-
5¢ per pound and over	U.S.A.	5	-	-	33	-	-
Coated with paint, asphaltum, etc. ...	U.S.A.	149	-	-	252	-	-
Shaped for agricultural implements ...	U.S.A.	-	-	-	238	-	-
For saws	U.S.A.	94	119	-	518	670	-
	England	-	-	-	-	3	-
For cold rolled strip	U.S.A.	27	-	-	473	-	-
For tubes	U.S.A.	-	-	-	87	-	-
For tubular products	U.S.A.	42	-	-	42	-	-
Stainless	U.S.A.	-	-	24.8	-	-	117.9
	England	-	-	11.6	-	-	88.9
Cold rolled -							
18 gauge and heavier	U.S.A.	979	-	-	6,768	-	-
	England	-	-	-	20	-	-
Lighter than 18 gauge	U.S.A.	2,588	37	-	13,396	37	-
	England	40	-	-	261	-	-
For hollow ware (vitreous enamel)	U.S.A.	70	-	-	554	-	-
Black plate (tin mill)	U.S.A.	705	-	-	6,605	-	-
Coated with paint, tar, asphaltum, etc.	U.S.A.	10	-	-	20	-	-
For saws	U.S.A.	-	1	-	-	17	-
	England	-	-	-	-	12	-
	Sweden	-	-	-	-	6	-
For heating apparatus	U.S.A.	27	-	-	158	-	-
For tubes	U.S.A.	543	-	-	2,735	-	-
For tubular products	U.S.A.	40	-	-	40	-	-
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	-	-	-	6	-	-
Silicon .075 or more	U.S.A.	-	26	-	-	117	-
Stainless	U.S.A.	-	-	102.1	-	-	998.6
	England	-	-	-	-	-	3.7
Black plate - For tinning	U.S.A.	5,365	-	-	37,281	-	-
Tin plate - Primes	U.S.A.	5,783	-	-	17,646	-	-
	England	24	-	-	138	-	-
Waste waste	U.S.A.	-	-	-	301	-	-
Electrolytic - Primes (25#)	U.S.A.	1,592	-	-	9,456	-	-
" (75#)	U.S.A.	-	-	-	38	-	-
Waste waste.	U.S.A.	-	-	-	231	-	-
Terne plate -							
Long	U.S.A.	319	-	-	1,743	-	-
Short	U.S.A.	577	-	-	2,283	-	-
Waste waste	U.S.A.	-	-	-	21	-	-

Imports of Primary Forms of Iron and Steel, June and Year to Date, 1947 (continued)

Commodity	Country of Origin	June			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,022	-	-	6,755	39	-
Lighter than 18 gauge	U.S.A.	65	-	-	747	-	-
For cold rolling	U.S.A.	497	-	-	4,857	-	-
5¢ per pound and over	U.S.A.	-	-	-	1	-	-
Painted	U.S.A.	402	-	-	2,383	-	-
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	42	-	-	568	-	-
For saws	U.S.A.	69	41	-	176	292	-
For barrel hoops	U.S.A.	347	-	-	1,586	-	-
For motor vehicles	U.S.A.	717	-	-	4,429	25	-
Corrugated	Australia	-	-	-	1	-	-
For tubes	U.S.A.	-	-	-	1	-	-
For tubular products	U.S.A.	-	-	-	90	-	-
Silicon .075 or more	U.S.A.	-	55	-	-	999	-
Stainless	U.S.A.	-	-	2.4	-	-	24.1
	England	-	-	-	-	-	.4
Cold rolled -							
18 gauge and heavier	U.S.A.	300	1	-	1,827	30	-
	England	-	-	-	4	-	-
	Sweden	-	1	-	-	1	-
Lighter than 18 gauge	U.S.A.	543	-	-	3,102	-	-
	England	-	-	-	12	-	-
	Sweden	34	-	-	228	-	-
For shoe, corset laces, etc	U.S.A.	56	-	-	405	-	-
Painted	U.S.A.	48	-	-	225	-	-
For saws	Sweden	11	2	-	24	33	-
	U.S.A.	1	17	-	14	78	-
For butt hinges	U.S.A.	-	-	-	28	-	-
For tubes	U.S.A.	276	-	-	574	-	-
For tubular products	U.S.A.	29	-	-	947	-	.1
Silicon .075 or more	U.S.A.	-	73	-	-	400	-
Stainless	U.S.A.	-	-	57.9	-	-	519.2
	England	-	-	.2	-	-	3.6
Galvanized strip	U.S.A.	551	-	-	3,718	-	-
Skalp - Over 14" wide							
Not more than 14" in width	U.S.A.)	(See revised break-down			1,170	-	-
Over 15 3/8" in width	U.S.A.)	commencing March, 1947)			11,558	-	-
15 3/8" and under	U.S.A.	-	-	-	417	-	-
	U.S.A.	3,711	-	-	19,006	-	-
Pipes and Tubes -							
Cast	U.S.A.	84	-	-	252	-	.1
	England	166	-	-	166	-	-
Bedstead	U.S.A.	32	-	-	359	-	-
Boiler and pulp mill digesters -							
Hot finished	U.S.A.	1,655	8	-	6,748	53	-
	England	6	-	-	6	-	-
Cold drawn	U.S.A.	284	-	-	1,140	15	4.3
	England	-	-	-	1	-	-
Cold drawn, seamless	U.S.A.	-	-	-	-	-	1.0
Welded	U.S.A.	36	-	-	493	-	-
Seamless, under 10½" dia. - Cold drawn	U.S.A.)	(See revised break-down			995	150	22.4
	England)	commencing March, 1947)			13	3	11.2
Hot finished	U.S.A.)				318	-	-
Seamless, more than 10½" diameter -)						
Hot finished	U.S.A.)				213	1	-

Imports of Primary Forms of Iron and Steel, June and Year to Date, 1947 (continued)

Commodity	Country of Origin	June			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and Tubes (Con.) -							
Seamless, 12" and under in diameter -							
Cold drawn ..	U.S.A.	460	22	12.5	2,344	159	73.8
	England	10	1	1.0	35	2	13.9
Hot finished.	U.S.A.	88	1	-	639	3	-
Seamless, more than 12" in diameter -							
Hot finished.	U.S.A.	88	2	-	418	2	-
Cold drawn ..	U.S.A.	-	-	-	1	-	-
Welded, more than 10½" diameter	U.S.A.) England)	(See revised breakdown commencing March, 1947)			166	-	-
					205	-	-
Welded, under 10½" in diameter	U.S.A.)				1,127	1	1.6
Welded, 4" and under in diameter	U.S.A.	360	-	2.6	1,725	-	7.9
	England	-	-	-	115	-	-
Welded, more than 4" in diameter	U.S.A.	50	-	-	443	-	.2
	England	-	-	-	41	-	-
Tubing -							
Not over ½" diameter, welded and coated ..	U.S.A.	3	-	-	70	-	-
Invasion	U.S.A.	28	-	-	990	-	-
Casing	U.S.A.	406	-	-	1,593	-	-
Fittings and couplings	U.S.A.	173	-	.5	853	-	4.1
Wire rope	U.S.A.	24	-	.6	409	-	1.1
	England	4	-	2.5	141	-	2.5
Wire -							
For wire rope	U.S.A.	1,077	-	-	8,366	-	5.2
	England	32	-	-	262	-	-
For corset laces, steels, etc.	U.S.A.	18	-	-	91	-	-
	England	-	-	-	1	-	-
For spring mattress, etc.	U.S.A.	21	-	-	744	-	-
For fencing, galvanized	U.S.A.	44	-	-	362	-	-
Wire cloth and netting	U.S.A.	141	-	.6	724	-	.6
	England	40	-	-	160	-	-
Wire, coated	U.S.A.	128	-	-	671	-	-
Wire - All other	U.S.A.	268	-	2.5	2,822	-	15.6
	England	11	-	-	28	-	-
Wire rods, not over 3/8" in diameter	U.S.A.	108	-	-	397	-	-
Welding rods and welding wire	U.S.A.	71	6	1.8	596	64	17.9
	England	-	-	-	-	-	.3
Castings -							
For agricultural implements	U.S.A.	104	-	-	779	-	-
For ingot moulds	U.S.A.	3,001	-	-	15,274	-	-
Malleable	U.S.A.	25	-	-	285	-	-
Non-malleable	U.S.A.	144	-	-	693	-	-
	England	10	-	-	23	-	-
Steel	U.S.A.	97	2	.7	347	34	.7
Rolls	U.S.A.	120	48	-	519	300	-
	England	-	-	-	1	-	-
For railway vehicles	U.S.A.	2	-	-	456	-	-
Semi-finished piston	U.S.A.	50	-	-	405	-	-
Forgings	U.S.A.	205	4	-	706	159	-
	England	33	64	-	33	97	-
Wheels -							
For railway rolling stock	U.S.A.	146	-	-	1,150	-	-
	England	102	-	-	348	-	-
Pressed	U.S.A.	42	-	-	217	-	-

Imports of Primary Forms of Iron and Steel, June and Year to Date, 1947 (Concluded)

Imports of Primary Forms of Iron and Steel, June and Year to Date, 1947 (Continued)							
Commodity	Country of Origin	June			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wires -							
For railway rolling stock	U.S.A.	572	-	-	2,386	-	-
	England	181	24	-	823	25	-
Vehicles -							
For railway vehicles	U.S.A.	-	-	-	12	-	-
For all other vehicles	U.S.A.	108	-	-	288	-	-
Rails -							
60 pounds and under	U.S.A.	34	-	-	372	-	-
Over 60 pounds and under 100 pounds	U.S.A.	91	-	-	1,272	-	-
Over 100 pounds	U.S.A.	-	-	-	1	-	-
Grooved for electric tramways	U.S.A.	105	-	-	660	-	-
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	96	-	-	754	-	-
Intersections, switches, frogs	U.S.A.	-	-	-	28	-	-

41-001

DEPT. OF POLITICAL SCIENCE

UNIVERSITY OF TORONTO

Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-15-9-47

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

Dominion Statistician:
Director - Division of Census of Industry and Merchandising:
Chief - Mining, Metallurgical and Chemical Statistics:

Herbert Marshall
W. H. Losee
H. McLeod

Monthly Report

✓ on

PRIMARY IRON AND STEEL IN CANADA

JULY, 1947

BAROMETRICS FILE "Y"

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 167,498 net tons in July, 1947, compared with 188,655 net tons in June, 1947. The July, 1947 total included 14,659 tons of semi-finished shapes; 7,049 tons of structurals; 14,174 tons of plates; 14,357 tons of rails; 34,915 tons of hot rolled bars; 10,733 tons of pipes and tubes; 16,856 tons of wire rods; 18,072 tons of black sheets; 7,264 tons of galvanized sheets; 394 tons of tool steel; 5,580 tons of castings, and 23,445 tons of other shapes. The amount of producers' interchange was 57,258 tons in July and 70,478 tons in June.

Of the amount shipped for sale during July, 30,539 tons went direct to railways and railway car shops; 8,123 tons to pressing, forming and stamping plants; 18,808 tons to merchant trade products; 19,431 tons to building construction; 14,252 tons to the containers industry; 4,578 tons to agricultural equipment; 9,644 tons to the automotive industry; 11,264 tons to machinery plants; 3,101 tons to shipbuilding; 5,112 tons to mining, lumber, etc., and 3,297 tons to miscellaneous industries. Wholesalers and warehousing accounted for 22,259 tons and exports for 17,090 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 57,258 tons in July.

Table 1 - Production of Pig Iron in Canada, July, and Year to Date, 1947

	July	Year to Date
	(Tons of 2,000 pounds)	
Basic	151,883	902,348
Foundry	20,338	151,553
Malleable	4,932	76,405
TOTAL	157,153	1,130,306

Table 2 - Production of Steel Ingots and Castings in Canada, July, and Year to Date, 1947

	July		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel Ingots - Open hearth	189,485	6,272	1,381,903	41,404
Electric	23,999	6,687	212,255	32,313
Total Ingots	213,484	12,959	1,594,158	73,717
Steel Castings	4,450	1,442	37,283	9,540
TOTAL INGOTS AND CASTINGS	217,934	14,401	1,631,441	83,257

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, July, 1947

	Production (Including producers' interchange)	Shipments For Producers' sale interchange
	(Tons of 2,000 pounds)	
<u>Carbon Steel</u>		
Billets, etc., for forging	6,716	4,176 2,310
Other semi-finished shapes, not for re-rolling by makers	39,084	9,867 28,831
Structural shapes and piling	8,810	7,049 ...
Plates	14,759	14,174 ...
Rails	15,141	14,357 ...
Tie plates and track material -		
Splice bars	932	1,037 ...
Tie plates	3,108	2,612 ...
Spikes	955	1,002 ...
Tool steel	33	153 ...
Concrete reinforcing bars	9,329	6,828 ...
Hot rolled bars for cold finishing	659	... 665
Other hot rolled bars	28,941	22,361 5,298
Pipes and tubes	10,343	10,733 ...
Wire rods	21,554	16,844 5,249
Hot rolled black sheets	20,537	16,332 6,298
Cold reduced black sheets	1,740	1,740 ...
Galvanized sheets	7,186	7,264 ...
Steel castings - Made by ingot makers	1,506	1,380 ...
Made in other foundries	2,944	2,750 ...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	25,767	18,626 8,155
Total - Carbon Steel	220,044	159,285 56,806
<u>Alloy Steel</u>		
Billets, etc., for forging	495	616 ...
Other semi-finished shapes, not for re-rolling by makers	452	... 452
Structural shapes and piling .....	...	... ...
Plates .....	...	... ...
Rails .....	...	... ...
Tie plates and track material -		
Splice bars .....	...	... ...
Tie plates .....	...	... ...
Spikes .....	...	... ...
Tool steel	180	241 ...
Concrete reinforcing bars .....	...	... ...
Hot rolled bars for cold finishing .....	...	... ...
Other hot rolled bars	6,039	5,726 ...
Pipes and tubes .....	...	... ...
Wire rods	12	12 ...
Hot rolled black sheets .....	...	... ...
Cold reduced black sheets .....	...	... ...
Galvanized sheets .....	...	... ...
Steel castings - Made by ingot makers	47	21 ...
Made in other foundries	1,395	1,429 ...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	180	168 ...
Total - Alloy Steel	8,800	8,213 452

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SEVEN MONTHS ENDED JULY, 1947

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	51,653	31,690	19,785
Other semi-finished shapes, not for re-rolling by makers	252,183	67,635	199,678
Structural shapes and piling	93,186	90,809	25
Plates	116,922	116,085	32
Rails	133,743	132,978	...
Tie plates and track material -			
Splice bars	8,230	8,139	2
Tie plates	28,657	27,867	...
Spikes	9,202	9,694	...
Tool steel	1,171	1,405	...
Concrete reinforcing bars	47,190	44,011	...
Hot rolled bars for cold finishing	5,846	...	5,891
Other hot rolled bars	286,935	240,819	49,065
Pipes and tubes	78,420	85,189	42
Wire rods	162,071	120,368	43,799
Hot rolled black sheets	149,523	99,682	46,759
Cold reduced black sheets	19,882	19,882	...
Galvanized sheets	52,563	51,155	170
Steel castings - Made by ingot makers	11,455	11,220	...
Made in other foundries	25,828	24,964	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	250,337	152,915	97,066
Total - Carbon Steel	1,784,997	1,336,507	462,314
<u>Alloy Steel</u>			
Billets, etc., for forging	4,469	3,956	165
Other semi-finished shapes, not for re-rolling by makers	2,142	373	1,775
Structural shapes and piling .....	...	...	...
Plates	43	1	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	2,132	1,975	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other cold rolled bars	45,519	45,362	...
Pipes and tubes .....	...	...	...
Wire rods	121	114	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	533	327	...
Made in other foundries	9,207	8,668	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	1,088	996	...
Total - Alloy Steel	65,054	61,772	1,940

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, July and Year to Date, 1947

Industry	July		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	5,732	3,912	46,731	29,212
Agricultural, including farm machinery	4,549	29	61,563	582
Building construction	19,151	280	166,431	672
Containers industry	14,249	3	107,579	29
Machinery and tools	10,824	440	94,487	4,025
Merchant trade products	18,629	179	146,993	1,300
Mining, lumbering, etc.	4,418	694	44,594	3,755
National defence	81	7	385	12
Pressing, forming and stamping	8,100	23	76,253	486
Public works and utilities	1,788	43	7,629	312
Railway operating	17,726	258	198,845	1,618
Railway cars and locomotives	12,525	30	76,205	698
Shipbuilding	2,978	123	27,278	264
Miscellaneous and unclassified	1,249	129	6,562	683
Wholesalers and warehouses	22,156	103	190,495	1,763
Direct export (a) to British Empire	10,203	70	67,834	909
(b) to Other Countries	4,927	1,890	16,643	15,452
Total Shipped for Sale	159,285	8,213	1,336,507	61,772
Producers' interchange	56,806	452	462,314	1,940

NOTE: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up.

41-001

Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-20-10-47

DEPT. OF
POLITICAL ECONOMY

Department of Trade and Commerce
Dominion Bureau of Statistics
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Director, Division of Census of Industry and Merchandising:	W. H. Losee
Chief, Mining, Metallurgical and Chemical Statistics:	H. McLeod

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - JULY, 1947

(Part II)

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up. The statement on production and shipments in July, 1947 was released on September 15.

PORTS OF PRIMARY FORMS OF IRON AND STEEL, JULY, AND YEAR TO DATE, 1947

Commodity	Country of Origin	July			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 Pounds)					
Pig Iron -							
Foundry	U.S.A.	605	...	...	3,841	...	...
Malleable	U.S.A.	...	...	...	160	...	...
Silvery	U.S.A.	47	...	...	144	...	...
Ingots	U.S.A.	...	...	...	1,039	...	...
Blooms, billets, slabs and sheet bars	U.S.A.	46	5	...	177	203	...
Tube rounds and tube billets (O.H.)	U.S.A.	...	...	...	2,011	...	...
Bars and Sections -							
Hot rolled, n.o.p.	U.S.A.	4,935	200	3.1	31,497	2,341	27.3
	England	15	...	1.4	106	...	27.2
Hot rolled -							
For agricultural implements	U.S.A.	1,614	629	...	14,364	5,213	...
Rounds over 4 7/8", squares over 4"	U.S.A.	105	14	...	985	105	.3
	England	38	...	...	38	...	.8
Angles, channels, etc.	U.S.A.	438	...	.7	3,141	...	9.8
	Belgium	...	...	...	45	...	...
Sash or casement sections	U.S.A.	211	...	...	1,359	...	...
	England	15	...	...	88	...	...
Bars - Cold finished, n.o.p.	U.S.A.	1,073	8	3.1	11,941	148	19.0
	England	4	...	...	112	...	19.9
Bars - Cold finished, for agricultural implements	U.S.A.	501	5	...	3,749	15	...
Bars - Tool steel	U.S.A.	16	31	...	109	372	...
	England	88	9	...	363	138	...
	Sweden	...	...	...	...	37	...
Structurals	U.S.A.	12,857	...	...	79,480	...	...
	England	49	...	...	192	...	...

Imports of Primary Forms of Iron and Steel, July, and Year to Date, 1947 (Continued)

Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Plates - 78" and under	U.S.A.	4,079	4	17.9	30,204	39	139.1
	England	...	...	...	205	...	...
Over 78" and under 100"	U.S.A.	1,792	...	...	16,611	147	25.5
	England	37	...	...	37	...	...
Over 100"	U.S.A.	360	...	...	4,228	...	31.3
Flanged, dished or curved	U.S.A.	71	...	1.1	749	...	4.0
Boiler, pulp digesters, etc.	U.S.A.	703	...	8.3	2,330	1	26.7
	England	23	...	...	281	...	...
Chequered or surface pattern	U.S.A.	408	...	...	4,094	...	...
Painted, tar asphaltum	U.S.A.	2	...	...	30	...	...
Hot rolled for saws	U.S.A.	...	...	...	1	...	...
Galvanized	U.S.A.	...	...	...	146	...	...
Sheets -							
Silicon .075 or more	U.S.A.	...	2,097	...	...	9,979	...
Galvanized	U.S.A.	306	...	...	4,916	...	...
	England	...	...	...	161	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	4,435	1	...	28,883	37	...
Lighter than 18 gauge	U.S.A.	160	1	...	2,575	1	...
	England	...	...	...	3	...	...
For hollow ware (vitreous enamel)	U.S.A.	264	...	...	2,489	...	...
Corrugated	U.S.A.	178	...	...	1,009	...	...
5¢ per pound and over	U.S.A.	10	...	...	43	...	...
Coated with paint, asphaltum, etc.	U.S.A.	88	...	...	340	...	...
Shaped for agricultural implements	U.S.A.	...	...	...	238	...	...
For saws	U.S.A.	...	57	...	518	727	...
	England	...	...	...	...	3	...
For cold rolled strip	U.S.A.	29	...	...	502	...	...
For tubes	U.S.A.	...	...	...	87	...	...
For tubular products	U.S.A.	...	...	...	42	...	...
Stainless	U.S.A.	...	...	38.5	...	...	156.4
	England	...	...	1.3	...	...	90.2
Cold rolled -							
18 gauge and heavier	U.S.A.	895	...	...	7,663	...	...
	England	...	...	...	20	...	...
Lighter than 18 gauge	U.S.A.	2,111	...	...	15,507	37	...
	England	78	...	...	339	...	...
For hollow ware (vitreous enamel)	U.S.A.	260	...	...	814	...	...
Black plate (tin mill)	U.S.A.	757	...	...	7,362	...	...
Coated with paint, tar, asphaltum, etc.	U.S.A.	79	...	...	99	...	...
For saws	U.S.A.	...	4	...	...	21	...
	England	...	...	...	...	12	...
	Sweden	...	...	...	...	6	...
For heating apparatus	U.S.A.	50	...	...	208	...	...
For tubes	U.S.A.	172	...	...	2,907	...	...
For tubular products	U.S.A.	...	...	...	40	...	...
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	...	...	...	6	...	...
Silicon .075 or more	U.S.A.	...	49	...	...	166	...
Stainless	U.S.A.	...	...	134.0	...	...	1132.6
	England	...	...	2.2	...	...	5.9
Black plate - For tinning	U.S.A.	5,058	...	...	42,339	...	...
Tin plate - Primes	U.S.A.	7,218	...	...	24,864	...	...
	England	31	...	...	169	...	...
Waste waste	U.S.A.	25	...	...	326	...	...
Seconds	England	3	...	...	3	...	...
Electrolytic - Primes (25#)	U.S.A.	1,807	...	...	11,263	...	...
" (75#)	U.S.A.	...	...	...	38	...	...
Waste waste.	U.S.A.	...	...	...	231	...	...

Imports of Primary Forms of Iron and Steel, July, and Year to Date, 1947 (Continued)

Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets (Con.) -							
Cold rolled -							
Terne plate - Long	U.S.A.	201	...	...	1,944	...	...
Short	U.S.A.	491	...	...	2,774	...	...
Waste waste	U.S.A.	...	...	...	21	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,053	7	...	7,808	46	...
Lighter than 18 gauge	U.S.A.	111	...	...	858	...	...
For cold rolling	U.S.A.	294	...	...	5,151	...	...
5¢ per pound and over	U.S.A.	10	...	...	11	...	...
Painted	U.S.A.	358	...	...	2,741	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	24	...	...	592	...	...
For saws	U.S.A.	...	49	...	176	341	...
For barrel hoops	U.S.A.	372	...	...	1,958	...	...
For motor vehicles	U.S.A.	825	29	...	5,254	54	...
Corrugated	Australia	...	...	...	1	...	...
For tubes	U.S.A.	...	...	...	1	...	...
For tubular products	U.S.A.	42	...	...	132	...	...
Silicon .075 or more	U.S.A.	...	173	...	...	1,172	...
Stainless	U.S.A.	...	...	3.7	...	...	27.8
	England	...	...	...	...	...	.4
Cold rolled -							
18 gauge and heavier	U.S.A.	346	...	...	2,173	30	...
	England	...	...	...	4	...	...
	Sweden	...	...	...	...	1	...
Lighter than 18 gauge	U.S.A.	581	...	...	3,683	...	...
	England	2	...	...	14	...	...
	Sweden	3	...	...	231	...	...
For shoe, corset laces, etc.	U.S.A.	122	...	...	527	...	...
Painted	U.S.A.	23	...	...	248	...	...
For saws	Sweden	...	15	...	24	48	...
	U.S.A.	...	16	...	14	94	...
For butt hinges	U.S.A.	12	...	...	40	...	...
For tubes	U.S.A.	114	...	...	688	...	...
For tubular products	U.S.A.	206	...	...	1,153	...	.1
Silicon .075 or more	U.S.A.	...	132	...	...	532	...
Stainless	U.S.A.	...	...	50.6	...	...	569.8
	England	...	...	...	...	...	3.6
Galvanized strip	U.S.A.	538	...	...	4,256	...	...
Skelp - Over 14" wide							
Not more than 14" in width	U.S.A.)	(See revised break-down commencing March, 1947)			1,170	...	...
Over 15 3/8" in width	U.S.A.)				11,558	...	...
15 3/8" and under	U.S.A.	...	...	...	417	...	...
	U.S.A.	4,439	...	...	23,445	...	...
Pipes and Tubes -							
Cast							
	U.S.A.	474	...	...	726	...	.1
	England	546	...	...	712	...	...
Bedstead	U.S.A.	2	...	...	361	...	...
Boiler and pulp mill digesters -							
Hot finished							
	U.S.A.	1,061	...	...	7,809	53	...
	England	...	...	...	6	...	...
Cold drawn	U.S.A.	329	1	1.0	1,469	16	5.3
	England	...	...	...	1	...	...
Cold drawn, seamless	U.S.A.	...	...	...	...	...	1.0
Welded	U.S.A.	32	...	...	525	...	...

Imports of Primary Forms of Iron and Steel, July, and Year to Date, 1947 (Continued)

Commodity.	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and Tubes (Con.) -							
Seamless, under 10½" dia. - Cold drawn..	U.S.A.)				995	150	22.4
	England)	(See revised breakdown			13	3	11.2
	U.S.A.)				318	...	...
Seamless, more than 10½" diameter - "	)	commencing March, 1947)					
	U.S.A.)				213	1	...
Seamless, 12" and under in diameter -							
	U.S.A.	497	31	13.9	2,841	190	87.7
	England	3	1	.7	38	3	14.6
	U.S.A.	212	34	...	851	37	...
Seamless, more than 12" in diameter -							
	U.S.A.	74	...	...	492	2	...
	U.S.A.	...	...	...	1	...	...
Welded, more than 10½" diameter	U.S.A.)	(See revised breakdown			166	...	...
	England)	commencing March, 1947)			205	...	...
Welded, under 10½" in diameter	U.S.A.)				1,127	1	1.6
Welded, 4" and under in diameter	U.S.A.	384	...	3.9	2,109	...	11.8
	England	...	...	...	115	...	...
Welded, more than 4" in diameter	U.S.A.	83	...	...	526	...	.2
	England	248	...	...	289	...	...
Tubing -							
Not over ½" diameter, welded and coated.	U.S.A.	6	...	...	76	...	...
Invasion	U.S.A.	103	...	...	1,093	...	...
Casing	U.S.A.	367	...	...	1,960	...	...
Fittings and couplings	U.S.A.	161	...	.6	1,014	...	4.7
Wire rope	U.S.A.	78	...	.7	487	...	1.8
	England	10	...	...	151	...	2.5
Wire -							
For wire rope	U.S.A.	1,313	...	...	9,679	...	5.2
	England	27	...	...	289	...	...
For corset laces, steels, etc.	U.S.A.	11	...	...	102	...	...
	England	...	...	...	1	...	...
For spring mattress, etc.	U.S.A.	89	...	...	833	...	...
For fencing, galvanized	U.S.A.	...	...	...	362	...	...
Wire cloth and netting	U.S.A.	23	...	...	747	...	.6
	England	20	...	...	180	...	...
Wire, coated	U.S.A.	61	...	...	732	...	...
Wire - All other	U.S.A.	402	1	4.0	3,224	1	19.6
	England	...	...	...	28	...	...
Wire rods, not over 3/8" in diameter	U.S.A.	116	...	...	513	...	...
Welding rods and welding wire	U.S.A.	193	12	12.4	789	76	30.3
	England	...	...	...	...	...	.3
Castings -							
For agricultural implements	U.S.A.	136	...	...	915	...	...
For ingot moulds	U.S.A.	2,250	...	...	17,524	...	...
Malleable	U.S.A.	99	...	...	384	...	...
Non-malleable	U.S.A.	153	...	...	851	...	...
	England	...	...	...	23	...	...
Steel	U.S.A.	130	16	.4	477	50	1.1
	England	...	8	...	...	8	...
Rolls	U.S.A.	116	25	...	635	325	...
	England	...	...	...	1	...	...
For railway vehicles	U.S.A.	...	...	...	456	...	...
Semi-finished piston	U.S.A.	43	...	...	448	...	...

Primary

- 5 -

Imports of Primary Forms of Iron and Steel, July, and Year to Date, 1947 (Concluded)

Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	U.S.A.	213	14	.1	919	173	.1
	England	...	...	...	33	97	...
Wheels -							
For railway rolling stock	U.S.A.	46	...	...	1,196	...	...
	England	98	...	...	446	...	...
Pressed	U.S.A.	40	...	...	257	...	...
Tires -							
For railway rolling stock	U.S.A.	551	...	...	2,937	...	...
	England	157	39	...	980	64	...
Axles -							
For railway vehicles	U.S.A.	25	...	...	37	...	...
For all other vehicles	U.S.A.	...	...	...	288	...	...
Rails -							
60 pounds and under	U.S.A.	28	...	...	400	...	...
Over 60 pounds and under 100 pounds ...	U.S.A.	60	...	...	1,332	...	...
Over 100 pounds	U.S.A.	104	...	...	105	...	...
Grooved for electric tramways	U.S.A.	287	...	...	947	...	...
Track material -							
Angle bars, tie plates, rail joints ...	U.S.A.	75	829
Intersections, switches, frogs	U.S.A.	19	47

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Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-15-10-47
Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

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DEPT. OF
POLITICAL ECONOMY

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA

AUGUST, 1947

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 182,324 net tons in August, 1947, compared with 167,498 net tons in July 1947. The August, 1947 total included 12,129 tons of semi-finished shapes; 11,699 tons of structurals; 15,231 tons of plates; 17,843 tons of rails; 43,302 tons of hot rolled bars; 9,003 tons of pipes and tubes; 13,722 tons of wire rods; 18,371 tons of black sheets; 6,825 tons of galvanized sheets; 462 tons of tool steel; 7,162 tons of castings, and 26,575 tons of other shapes. The amount of producers' interchange was 59,920 tons in August and 57,258 tons in July.

Of the amount shipped for sale during August, 35,832 tons went direct to railways and railway car shops; 10,685 tons to pressing, forming and stamping plants; 20,601 tons to merchant trade products; 19,431 tons to building construction; 17,278 tons to the containers industry; 7,699 tons to agricultural equipment; 11,341 tons to the automotive industry; 11,226 tons to machinery plant; 2,175 tons to shipbuilding; 6,765 tons to mining, lumber, etc... and 1,780 tons to miscellaneous industries. Wholesalers and warehousing accounted for 22,357 tons and exports for 15,154 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 59,920 tons in August.

Table 1 - Production of Pig Iron in Canada, August, and Year to Date, 1947

	August	Year to Date
	(Tons of 2,000 pounds)	
Basic	133,827	1,036,175
Foundry	19,806	171,359
Malleable	13,245	89,650
TOTAL	166,878	1,297,184

Table 2 - Production of Steel Ingots and Castings in Canada, August, and Year to Date, 1947

	August		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel Ingots - Open hearth	187,800	7,081	1,569,703	48,485
Electric	27,909	3,420	240,164	35,733
Total Ingots	215,709	10,501	1,809,867	84,218
Steel Castings	6,231	1,374	43,514	10,914
TOTAL INGOTS AND CASTINGS	221,940	11,875	1,853,381	95,132

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, August, 1947

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	6,674	4,200	3,234
Other semi-finished shapes, not for re-rolling by makers	28,021	7,141	19,151
Structural shapes and piling	10,782	11,699	...
Plates	15,123	15,231	...
Rails	21,945	17,843	...
Tie plates and track material -			
Splice bars	495	610	...
Tie plates	3,239	2,976	...
Spikes	648	584	...
Tool steel	218	177	...
Concrete reinforcing bars	4,469	6,084	...
Hot rolled bars for cold finishing	1,146	...	1,013
Other hot rolled bars	34,879	29,754	4,911
Pipes and tubes	7,688	9,003	...
Wire rods	20,604	13,715	8,201
Hot rolled black sheets	22,738	14,891	6,063
Cold reduced black sheets	3,480	3,480	...
Galvanized sheets	6,459	6,825	47
Steel castings - Made by ingot makers	2,124	1,864	...
Made in other foundries	4,107	3,990	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc..	38,868	22,234	16,694
Total - Carbon Steel	233,707	172,301	59,314
<u>Alloy Steel</u>			
Billets, etc., for forging	668	788	...
Other semi-finished shapes, not for re-rolling by makers	606	...	606
Structural shapes and piling .....	...	...	...
Plates .....	...	...	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	238	285	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,775	7,464	...
Pipes and tubes .....	...	...	...
Wire rods	8	7	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	20	18	...
Made in other foundries	1,354	1,290	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc..	225	171	...
Total - Alloy Steel	10,894	10,023	606

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, EIGHT MONTHS ENDED AUGUST, 1947

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000: pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	58,327	35,890	23,019
Other semi-finished shapes, not for re-rolling by makers	280,204	74,776	218,829
Structural shapes and piling	103,968	102,508	25
Plates	132,045	131,316	32
Rails	155,688	150,821	...
Tie plates and track material -			
Splice bars	8,725	8,749	2
Tie plates	31,896	30,843	...
Spikes	9,850	10,278	...
Tool steel	1,389	1,582	...
Concrete reinforcing bars	51,659	50,095	...
Hot rolled bars for cold finishing	6,992	...	6,904
Other hot rolled bars	321,814	270,573	53,976
Pipes and tubes	86,108	94,192	42
Wire rods	182,675	134,083	52,000
Hot rolled black sheets	172,261	114,573	52,822
Cold reduced black sheets	23,362	23,362	...
Galvanized sheets	59,022	57,980	217
Steel castings - Made by ingot makers	13,579	13,084	...
Made in other foundries	29,935	28,954	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	289,205	175,149	113,760
Total - Carbon Steel	2,018,704	1,508,808	521,628
<u>Alloy Steel</u>			
Billets, etc., for forging	5,137	4,744	165
Other semi-finished shapes, not for re-rolling by makers	2,748	373	2,381
Structural shapes and piling .....	...	...	...
Plates	43	1	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	2,370	2,260	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other cold rolled bars	53,294	52,826	...
Pipes and tubes .....	...	...	...
Wire rods	129	121	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	353	345	...
Made in other foundries	10,561	9,958	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	1,313	1,167	...
Total - Alloy Steel	75,948	71,795	2,546

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, August and Year to Date, 1947

Industry	August		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	6,047	5,294	52,778	34,506
Agricultural, including farm machinery	7,617	82	69,180	664
Building construction	19,374	57	185,805	729
Containers industry	17,269	9	124,848	38
Machinery and tools	10,746	480	105,233	4,505
Merchant trade products	20,518	83	167,511	1,383
Mining, lumbering, etc.	6,024	741	50,618	4,496
National defence	63	5	448	17
Pressing, forming and stamping	10,640	45	86,893	531
Public works and utilities	534	79	8,163	391
Railway operating	19,409	253	218,254	1,871
Railway cars and locomotives	16,142	28	92,347	726
Shipbuilding	2,150	25	29,428	289
Miscellaneous and unclassified	953	146	7,515	829
Wholesalers and warehouses	22,044	313	212,539	2,076
Direct export (a) to British Empire	7,373	88	75,207	997
(b) to Other Countries	5,398	2,295	22,041	17,747
Total Shipped for Sale	172,301	10,023	1,508,808	71,795
Producers' interchange	59,314	606	521,628	2,546

NOTE: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up.

Published by Authority of the Hon. James A. MacKinnon, M.P.
Minister of Trade and Commerce

MC28-18-11-47

Department of Trade and Commerce
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Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

Dominion Statistician:	Herbert Marshall
Director - Division of Census of Industry and Merchandising:	W. H. Losee
Chief - Mining, Metallurgical and Chemical Statistics:	H. McLeod

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - AUGUST, 1947(Part II)

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up. The statement on production and shipments in August, 1947 was released on October 15.

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, AUGUST AND YEAR TO DATE, 1947

Commodity	Country of Origin	August			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 Pounds)							
Pig Iron -							
Foundry	U.S.A.	10	...	...	3,851	...	..
Malleable	U.S.A.	...	...	...	160	...	...
Silvery	U.S.A.	...	...	...	144	...	...
Ingot	U.S.A.	123	...	...	1,162	...	...
Blooms, billets, slabs and sheet bars	U.S.A.	67	3	...	244	206	...
Tube rounds and tube billets (O.H.)	U.S.A.	...	...	...	2,011	...	...
Bars and Sections-							
Hot rolled, n.o.p.	U.S.A.	3,577	198	4.6	35,074	2,539	31.9
	England	52	...	1.3	158	...	23.5
Hot rolled -							
For agricultural implements	U.S.A.	1,712	644	...	16,076	5,857	...
Rounds over 4 7/8", squares over 4"	U.S.A.	77	19	.1	1,062	124	.4
	England	...	...	...	38	...	.8
Angles, channels, etc.	U.S.A.	637	2	.4	3,778	2	10.2
	Belgium	...	...	...	45	...	...
Sash or casement sections	U.S.A.	374	...	...	1,733	...	...
	England	24	...	...	112	...	...
Bars - Cold finished, n.o.p.	U.S.A.	1,006	21	1.3	12,947	169	20.3
	England	...	...	...	112	...	19.9
Bars - Cold finished, for agricultural implements	U.S.A.	438	...	...	4,187	15	...
Bars - Tool steel	U.S.A.	10	81	...	119	453	...
	England	23	18	...	386	156	...
	Sweden	...	53	...	...	90	...
Structurals	U.S.A.	12,479	...	...	91,959	...	...
	England	151	...	...	343	...	...

Imports of Primary Forms of Iron and Steel, August and Year to Date, 1947 (Continued)

Commodity	Country of Origin	August			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates - 78" and under	U.S.A.	4,177	12	18.0	34,381	51	157.1
	England	...	...	...	205	...	...
Over 78" and under 100"	U.S.A.	2,653	...	4.0	19,264	147	29.5
	England	...	...	...	37	...	...
Over 100"	U.S.A.	204	...	...	4,432	...	31.3
Flanged, dished or curved	U.S.A.	130	...	...	879	...	4.0
Boiler, pulp digesters, etc.	U.S.A.	266	...	.3	2,596	1	27.
	England	77	...	...	358	...	...
Chequered or surface pattern	U.S.A.	914	...	...	5,008	...	...
Painted, tar asphaltum	U.S.A.	...	...	...	30	...	...
Hot rolled for saws	U.S.A.	...	...	...	1	...	...
Galvanized	U.S.A.	...	...	...	146	...	...
Sheets -							
Silicon .075 or more	U.S.A.	...	1,718	...	...	11,697	...
Galvanized	U.S.A.	543	...	...	5,459	...	...
	England	...	...	...	161	...	...
	Belgium	11	...	...	11	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	3,558	...	...	32,441	37	...
Lighter than 18 gauge	U.S.A.	191	...	...	2,766	1	...
	England	...	...	...	3	...	...
For hollow ware (vitreous enamel)	U.S.A.	439	...	...	2,928	...	...
Corrugated	U.S.A.	116	...	...	1,125	...	...
5¢ per pound and over	U.S.A.	6	...	...	49	...	...
Coated with paint, asphaltum, etc. ...	U.S.A.	66	...	...	406	...	...
Shaped for agricultural implements ...	U.S.A.	4	...	...	242	...	...
For saws	U.S.A.	62	79	...	580	806	...
	England	...	...	...	...	3	...
For cold rolled strip	U.S.A.	73	...	...	575	...	...
For tubes	U.S.A.	...	...	...	87	...	...
For tubular products	U.S.A.	...	...	...	42	...	...
Stainless	U.S.A.	...	...	14.4	...	...	170.8
	England	...	...	...	...	...	90.2
Cold rolled -							
18 gauge and heavier	U.S.A.	795	...	...	8,458	...	...
	England	...	...	...	20	...	...
Lighter than 18 gauge	U.S.A.	2,636	...	...	18,143	37	...
	England	...	...	...	339	...	...
For hollow ware (vitreous enamel)	U.S.A.	238	...	...	1,052	...	...
Black plate (tin mill)	U.S.A.	730	...	...	8,092	...	...
Coated with paint, tar, asphaltum, etc.	U.S.A.	5	...	...	104	...	...
For saws	U.S.A.	...	...	...	...	21	...
	England	...	...	...	...	12	...
	Sweden	...	...	...	...	6	...
For heating apparatus	U.S.A.	...	...	...	208	...	...
For tubes	U.S.A.	492	...	...	3,399	...	...
For tubular products	U.S.A.	...	...	...	40	...	...
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	...	...	...	6	...	...
Silicon .075 or more	U.S.A.	...	35	...	...	201	...
Stainless	U.S.A.	...	...	189.5	...	...	1,322.1
	England	...	...	11.3	...	...	17.2
Black plate - For tinning	U.S.A.	5,835	...	...	48,174	...	...
Tin plate - Primes	U.S.A.	6,511	...	...	31,375	...	...
	England	64	...	...	233	...	...
Waste waste	U.S.A.	...	...	...	326	...	...
Seconds	England	...	...	...	3	...	...
Electrolytic - Primes (25#)	U.S.A.	706	...	...	11,969	...	...
" (75#)	U.S.A.	...	...	...	38	...	...
Waste waste	U.S.A.	...	...	...	231	...	...

Imports of Primary Forms of Iron and Steel, August and Year to Date, 1947 (Continued)

Commodity	Country of Origin	August			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets (Con.) -							
Cold rolled -							
Terne plate - Long	U.S.A.	328	...	...	2,272	...	...
Short	U.S.A.	500	...	...	3,274	...	...
Waste waste	U.S.A.	...	...	...	21	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,095	...	...	8,903	46	...
	England	3	...	...	3	...	...
Lighter than 18 gauge	U.S.A.	123	...	...	981	...	...
For cold rolling	U.S.A.	608	...	...	5,759	...	...
5½ per pound and over	U.S.A.	13	...	...	24	...	...
Painted	U.S.A.	374	...	...	3,115	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	51	...	...	643	...	...
For saws	U.S.A.	16	37	...	192	378	...
For harrel hoops	U.S.A.	497	...	...	2,455	...	...
For motor vehicles	U.S.A.	943	...	...	6,197	54	...
Corrugated	Australia	...	...	...	1	...	...
For tubes	U.S.A.	...	...	...	1	...	...
For tubular products	U.S.A.	1	...	...	133	...	...
Silicon .075 or more	U.S.A.	...	144	...	...	1,316	...
Stainless	U.S.A.	...	...	2.9	...	...	30.7
	England	...	...	...	...	...	.4
Cold rolled -							
18 gauge and heavier	U.S.A.	234	5	...	2,407	35	...
	England	...	...	...	4	...	...
	Sweden	...	...	...	...	1	...
Lighter than 18 gauge	U.S.A.	476	...	...	4,159	...	...
	England	...	...	...	14	...	...
	Sweden	19	...	...	250	...	...
For shoe, corset laces, etc.	U.S.A.	70	...	...	597	...	...
Painted	U.S.A.	41	...	...	289	...	...
For saws	Sweden	...	14	...	24	62	...
	U.S.A.	...	7	...	14	101	...
For butt hinges	U.S.A.	30	...	...	70	...	...
For tubes	U.S.A.	25	...	...	713	...	...
For tubular products	U.S.A.	149	...	...	1,302	...	.1
Silicon .075 or more	U.S.A.	...	...	...	...	532	...
Stainless	U.S.A.	...	...	78.0	...	...	647.8
	England	...	...	.5	...	...	4.1
Galvanized strip	U.S.A.	639	...	...	4,895	...	...
Skelp - Over 14" wide							
Not more than 14" in width	U.S.A.)	(See revised break-down			1,170	...	...
Over 15 3/8" in width	U.S.A.)	commencing March, 1947)			11,558	...	...
15 3/8" and under	U.S.A.	...	...	...	417	...	...
	U.S.A.	3,749	...	...	27,194	...	...
Pipes and Tubes -							
Cast	U.S.A.	641	...	...	1,367	...	.1
	England	...	...	...	712	...	...
Bedstead	U.S.A.	93	...	...	454	...	...
Boiler and pulp mill digesters -							
Hot finished	U.S.A.	1,021	44	...	8,830	97	...
	England	...	...	...	6	...	...
Cold drawn	U.S.A.	287	...	...	1,756	16	5.3
	England	...	...	...	1	...	...
Cold drawn, seamless	U.S.A.	...	...	...	...	...	1.0
Welded	U.S.A.	45	...	...	570	...	...

Imports of Primary Forms of Iron and Steel, August and Year to Date, 1947 (Continued)

Commodity	Country of Origin	August			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and Tubes (Con.) -							
Seamless, under 10½" dia. - Cold drawn..	U.S.A.)				995	150	22.4
	England)	(See revised breakdown			13	3	11.2
Hot finished	U.S.A.)				318	...	...
Seamless, more than 10½" diameter -	)	commencing March, 1947)					
Hot finished	U.S.A.)				213	1	..
Seamless, 12" and under in diameter -							
Cold drawn..	U.S.A.	517	55	21.2	3,358	245	108.9
	England	2	1	4.6	40	4	19.2
Hot finished	U.S.A.	215	7	...	1,066	44	...
Seamless, more than 12" in diameter -							
Hot finished	U.S.A.	71	...	...	563	2	...
Cold drawn..	U.S.A.	...	...	...	1	...	...
Welded, more than 10½" diameter	U.S.A.)				166	...	...
	England)	commencing March, 1947)			205	...	...
Welded, under 10½" in diameter	U.S.A.)				1,127	1	1.6
Welded, 4" and under in diameter	U.S.A.	455	...	1.1	2,564	...	12.9
	England	...	...	...	115	...	...
Welded, more than 4" in diameter	U.S.A.	116	...	...	642	...	.2
	England	...	...	...	289	...	...
Tubing -							
Not over ½" diameter, welded and coated.	U.S.A.	2	...	...	78	...	...
Invasion	U.S.A.	...	...	...	1,093	...	...
Casing	U.S.A.	393	...	...	2,353	...	...
Fittings and couplings	U.S.A.	80	...	.4	1,094	...	5.1
Wire rope	U.S.A.	25	1	.2	512	1	2.0
	England	2	...	...	153	...	2.5
Wire -							
For wire rope	U.S.A.	1,557	...	...	11,236	...	5.2
	England	88	...	...	377	...	...
For corset laces, steels, etc.	U.S.A.	15	...	...	117	...	...
	England	...	...	...	1	...	...
For spring mattress, etc.	U.S.A.	37	...	...	870	...	...
For fencing, galvanized	U.S.A.	25	...	...	387	...	...
Wire cloth and netting	U.S.A.	140	...	...	887	...	.6
	England	...	...	...	180	...	...
Wire, coated	U.S.A.	34	...	...	766	...	...
Wire - All other	U.S.A.	437	...	3.7	3,661	1	23.3
	England	...	...	...	28	...	...
Wire rods, not over 3/8" in diameter	U.S.A.	18	...	...	531	...	...
Welding rods and welding wire	U.S.A.	142	12	6.2	931	88	36.5
	England	...	...	...	...	...	.3
Castings -							
For agricultural implements	U.S.A.	130	...	...	1,045	...	...
For ingot moulds	U.S.A.	2,401	...	...	19,925	...	...
Malleable	U.S.A.	20	...	...	404	...	...
Non-malleable	U.S.A.	177	...	...	1,028	...	...
	England	3	...	...	26	...	...
Steel	U.S.A.	46	5	...	523	55	1.1
	England	...	...	...	...	8	...
Rolls	U.S.A.	88	128	...	723	453	...
	England	...	...	...	1	...	...
For railways vehicles	U.S.A.	...	...	...	456	...	...
Semi-finished piston	U.S.A.	49	...	...	497	...	...

Imports of Primary Forms of Iron and Steel, August and Year to Date, 1947 (Concluded)

Commodity	Country of Origin	August			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	U.S.A.	40	8	...	959	181	.1
	England	...	34	...	33	131	...
Wheels -							
For railway rolling stock	U.S.A.	37	...	...	1,233	...	...
	England	1	...	...	447	...	...
Pressed	U.S.A.	41	...	...	298	...	...
Tires -							
For railway rolling stock	U.S.A.	263	...	...	3,200	...	...
	England	109	4	...	1,089	68	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	37	...	...
For all other vehicles	U.S.A.	29	...	...	317	...	...
Rails -							
60 pounds and under	U.S.A.	53	...	...	453	...	...
Over 60 pounds and under 100 pounds	U.S.A.	33	...	...	1,365	...	...
Over 100 pounds	U.S.A.	...	...	...	105	...	...
Grooved for electric tramways	U.S.A.	182	...	...	1,129	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	102	931
Intersections, switches, frogs	U.S.A.	17	64

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Imports of Primary Forms of Iron and Steel, August and Year to Date, 1947 (Concluded)

Commodity	Country of Origin	August			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	U.S.A.	40	8	...	959	181	.1
	England	...	34	...	33	131	...
Wheels -							
For railway rolling stock	U.S.A.	37	...	...	1,233	...	...
	England	1	...	...	447	...	...
Pressed	U.S.A.	41	...	...	298	...	...
Tires -							
For railway rolling stock	U.S.A.	263	...	...	3,200	...	...
	England	109	4	...	1,089	68	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	37	...	...
For all other vehicles	U.S.A.	29	...	...	317	...	...
Rails -							
60 pounds and under	U.S.A.	53	...	...	453	...	...
Over 60 pounds and under 100 pounds	U.S.A.	33	...	...	1,365	...	...
Over 100 pounds	U.S.A.	...	...	...	105	...	...
Grooved for electric tramways	U.S.A.	182	...	...	1,129	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	102	931
Intersections, switches, frogs	U.S.A.	17	64

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POLITICAL ECONOMYDepartment of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - CanadaDominion Statistician:
Director - Division of Census of Industry and Merchandising:
Chief - Mining, Metallurgical and Chemical Statistics:Herbert Marshall
W. H. Losee
H. McLeodMonthly Report

on

PRIMARY IRON AND STEEL IN CANADA - SEPTEMBER, 1947

Part. 1 (x)

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 184,182 net tons in September, 1947, compared with 182,324 net tons in August, 1947. The September, 1947 total included 5,987 tons of semi-finished shapes; 12,571 tons of structurals; 13,522 tons of plates; 22,153 tons of rails; 49,252 tons of hot rolled bars; 10,813 tons of pipes and tubes; 15,889 tons of wire rods; 18,798 tons of black sheets; 7,150 tons of galvanized sheets; 512 tons of tool steel; 7,985 tons of castings, and 19,550 tons of other shapes. The amount of producers' interchange was 63,552 tons in September and 59,920 tons in August.

Of the amount shipped for sale during September, 37,002 tons went direct to railways and railway car shops; 9,654 tons to pressing, forming and stamping plants; 21,003 tons to merchant trade products; 20,015 tons to building construction; 11,611 tons to the containers industry; 9,423 tons to agricultural equipment; 10,465 tons to the automotive industry; 13,500 tons to machinery plant; 3,099 tons to shipbuilding; 7,686 tons to mining, lumber, etc... and 2,798 tons to miscellaneous industries. Wholesalers and warehousing accounted for 28,181 tons and exports for 9,745 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 63,552 tons in September.

Table 1 - Production of Pig Iron in Canada, September and Year to Date, 1947

	September	Year to Date
	(Tons of 2,000 pounds)	
Basic ,.....	136,678	1,172,853
Foundry	20,161	191,520
Malleable	12,791	102,441
TOTAL	169,630	1,466,814

Table 2 - Production of Steel Ingots and Castings in Canada, September, and Year to Date, 1947

	September		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel Ingots - Open hearth	186,687	5,765	1,756,390	54,250
Electric	28,177	4,827	268,341	40,560
Total Ingots	214,864	10,592	2,024,731	94,810
Steel Castings	6,741	1,877	50,255	12,791
TOTAL INGOTS AND CASTINGS	221,605	12,469	2,074,986	107,601

(x) see explanatory note on page 4.

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, September, 1947

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	7,951	4,951	3,099
Other semi-finished shapes, not for re-rolling by makers	30,258	322	27,940
Structural shapes and piling	12,327	12,571	...
Plates	14,817	13,517	...
Rails	29,153	22,153	...
Tie plates and track material -			
Splice bars	59	150	...
Tie plates	1,626	2,344	...
Spikes	730	766	...
Tool steel	120	150	...
Concrete reinforcing bars	7,569	6,618	...
Hot rolled bars for cold finishing	1,816	...	1,870
Other hot rolled bars	38,296	36,807	3,465
Pipes and tubes	11,226	10,813	...
Wire rods	22,860	15,866	7,328
Hot rolled black sheets	23,004	16,048	6,818
Cold reduced black sheets	2,750	2,750	...
Galvanized sheets	7,382	7,150	...
Steel castings - Made by ingot makers	2,132	2,047	...
Made in other foundries	4,609	4,419	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc..	29,374	16,094	12,838
Total - Carbon Steel	248,059	175,536	63,358
<u>Alloy Steel</u>			
Billets, etc., for forging	602	714	...
Other semi-finished shapes, not for re-rolling by makers	194	...	194
Structural shapes and piling .....	...	...	...
Plates	11	5	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	414	362	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	5,604	5,827	...
Pipes and tubes .....	...	...	...
Wire rods	41	23	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	87	60	...
Made in other foundries	1,790	1,459	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc..	170	196	...
Total - Alloy Steel	8,913	8,646	194

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, NINE MONTHS ENDED SEPTEMBER, 1947

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	66,278	40,841	26,118
Other semi-finished shapes, not for re-rolling by makers	310,462	75,098	246,769
Structural shapes and piling	116,295	115,079	25
Plates	146,862	144,833	32
Rails	184,841	172,974	...
Tie plates and track material -			
Splice bars	8,784	8,899	2
Tie plates	33,522	33,187	...
Spikes	10,580	11,044	...
Tool steel	1,509	1,732	...
Concrete reinforcing bars	59,228	56,713	...
Hot rolled bars for cold finishing	8,808	...	8,774
Other hot rolled bars	360,110	307,380	57,441
Pipes and tubes	97,334	105,005	42
Wire rods	205,535	149,949	59,328
Hot rolled black sheets	195,265	130,621	59,640
Cold reduced black sheets	26,112	26,112	...
Galvanized sheets	66,404	65,130	217
Steel castings - Made by ingot makers	15,711	15,131	...
Made in other foundries	34,544	33,373	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	318,579	191,243	126,598
Total - Carbon Steel	2,266,763	1,684,344	584,986
<u>Alloy Steel</u>			
Billets, etc., for forging	5,739	5,458	165
Other semi-finished shapes, not for re-rolling by makers	2,942	373	2,575
Structural shapes and piling .....	...	...	...
Plates	54	6	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	2,784	2,622	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other cold rolled bars	58,898	58,653	...
Pipes and tubes .....	...	...	...
Wire rods	170	144	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	440	405	...
Made in other foundries	12,351	11,417	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	1,483	1,363	...
Total - Alloy Steel	84,861	80,441	2,740

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, September and Year to Date, 1947

Industry	September		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	6,249	4,216	59,027	38,722
Agricultural, including farm machinery	9,384	39	78,564	703
Building construction	19,993	22	205,798	751
Containers industry	11,610	1	136,458	39
Machinery and tools	12,928	572	118,161	5,077
Merchant trade products	20,829	174	188,340	1,557
Mining, lumbering, etc.	7,102	584	57,720	5,080
National defence	102	2	550	19
Pressing, forming and stamping	9,613	41	96,506	572
Public works and utilities	1,150	58	9,313	449
Railway operating	22,536	138	240,790	2,009
Railway cars and locomotives	14,255	73	106,602	799
Shipbuilding	3,073	26	32,501	315
Miscellaneous and unclassified	1,369	117	8,884	946
Wholesalers and warehouses	28,022	159	240,561	2,235
Direct export (a) to British Empire	736	164	75,943	1,161
(b) to Other Countries	6,585	2,260	28,626	20,007
Total Shipped for Sale	175,536	8,646	1,684,344	80,441
Producers' interchange	63,358	194	584,986	2,740

NOTE: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up.

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

Dominion Statistician:	Herbert Marshall
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Chief - Mining, Metallurgical and Chemical Statistics:	H. McLeod

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - SEPTEMBER, 1947

(Part II)

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up. The statement on production and shipments in September, 1947 was released on November 11.

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, SEPTEMBER AND YEAR TO DATE, 1947

Commodity	Country of Origin	September			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 Pounds)					
Pig Iron -							
Foundry	U.S.A.	...	...	...	3,851	...	...
Malleable	U.S.A.	...	...	...	160	...	...
Silvery	U.S.A.	...	...	...	144	...	...
Ingots	U.S.A.	191	...	...	1,353	...	...
Blooms, billets, slabs and sheet bars	U.S.A.	...	16	...	244	222	...
Tube rounds and tube billets (O.H.)	U.S.A.	...	...	...	2,011	...	...
Bars and Sections -							
Hot rolled, n.o.p.	U.S.A.	4,134	175	3.7	39,208	2,714	35.6
	England	28	...	.8	186	...	29.3
Hot rolled -							
For agricultural implements	U.S.A.	2,416	537	...	18,492	6,394	...
Rounds over 4 7/8", squares over 4"	U.S.A.	29	7	...	1,091	131	.4
	England	36	...	...	74	...	.8
Angles, channels, etc.	U.S.A.	709	...	.2	4,487	2	10.4
	Belgium	...	...	...	45	...	...
Sash or easement sections	U.S.A.	99	...	...	1,832	...	...
	England	...	...	...	112	...	...
Bars - Cold finished, n.o.p.	U.S.A.	1,260	31	1.8	14,207	200	22.1
	England	...	...	2.2	112	...	22.1
Bars - Cold finished, for agricultural implements	U.S.A.	583	1	...	4,770	16	...
Bars - Tool steel	U.S.A.	13	37	...	132	490	...
	England	13	14	...	399	170	...
	Sweden	...	...	...	...	90	...
Structurals	U.S.A.	15,552	...	.2	107,511	...	.2
	England	...	...	...	343	...	...

Imports of Primary Forms of Iron and Steel, September and Year to Date, 1947 (Continued)

Commodity	Country of Origin	September			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Plates - 78" and under	U.S.A.	3,870	...	16.3	38,251	51	173.4
	England	...	...	...	205	...	...
Over 78" and under 100"	U.S.A.	1,813	...	5.8	21,077	147	35.3
	England	...	...	...	37	...	...
Over 100"	U.S.A.	498	...	4.7	4,930	...	36.0
Flanged, dished or curved	U.S.A.	59	...	...	938	...	4.0
Boiler, pulp digesters, etc.	U.S.A.	276	...	.5	2,872	1	27.5
	England	64	...	...	422	...	...
Chequered or surface pattern	U.S.A.	473	...	...	5,481	...	...
Painted, tar asphaltum	U.S.A.	3	...	...	33	...	...
Hot rolled for saws	U.S.A.	...	...	...	1	...	...
Galvanized	U.S.A.	...	...	...	146	...	...
Sheets -							
Silicon .075 or more	U.S.A.	...	1,772	...	...	13,469	...
Galvanized	U.S.A.	605	...	...	6,064	...	...
	England	...	...	...	161	...	...
	Belgium	...	...	...	11	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	2,570	...	...	35,011	37	...
Lighter than 18 gauge	U.S.A.	296	...	...	3,062	1	...
	England	...	...	...	3	...	...
For hollow ware (vitreous enamel)	U.S.A.	317	...	...	3,245	...	...
Corrugated	U.S.A.	252	...	...	1,377	...	...
5¢ per pound and over	U.S.A.	8	...	...	57	...	...
Coated with paint, asphaltum, etc. ...	U.S.A.	428	...	...	834	...	...
Shaped for agricultural implements ...	U.S.A.	37	...	...	279	...	...
For saws	U.S.A.	...	67	...	580	873	...
	England	...	4	...	...	7	...
For cold rolled strip	U.S.A.	21	...	...	596	...	...
For tubes	U.S.A.	86	...	...	173	...	...
For tubular products	U.S.A.	...	...	...	42	...	...
Stainless	U.S.A.	...	...	10.8	...	...	181.6
	England	...	...	...	...	...	90.2
Cold rolled -							
18 gauge and heavier	U.S.A.	695	...	...	9,153	...	...
	England	...	...	...	20	...	...
Lighter than 18 gauge	U.S.A.	2,523	...	...	20,666	37	...
	England	17	...	...	356	...	...
For hollow ware (vitreous enamel)	U.S.A.	166	...	...	1,218	...	...
Black plate (tin mill)	U.S.A.	264	...	...	8,356	...	...
Coated with paint, tar, asphaltum, etc.	U.S.A.	...	...	...	104	...	...
For saws	U.S.A.	...	...	...	...	21	...
	England	...	...	...	...	12	...
	Sweden	...	...	...	...	6	...
For heating apparatus	U.S.A.	...	...	...	208	...	...
For tubes	U.S.A.	780	...	...	4,179	...	...
For tubular products	U.S.A.	19	...	...	59	...	...
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	...	...	...	6	...	...
Silicon .075 or more	U.S.A.	...	11	...	...	212	...
Stainless	U.S.A.	...	...	143.2	...	...	1,465.3
	England	...	...	...	...	...	17.2
Black plate - For tinning	U.S.A.	2,247	...	...	50,421	...	...
Tin plate - Primes	U.S.A.	6,155	...	...	37,530	...	...
	England	3	...	...	236	...	...
Waste waste	U.S.A.	...	...	...	326	...	...
Seconds	England	...	...	...	3	...	...
Electrolytic - Primes (25#)	U.S.A.	1,181	...	...	13,150	...	...
" (75#)	U.S.A.	...	...	...	38	...	...
Waste waste	U.S.A.	...	...	...	231	...	...

Imports of Primary Forms of Iron and Steel, September and Year to Date, 1947 (Continued)

Commodity	Country of Origin	September			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets (Con.) -							
Cold rolled -							
Terne plate - Long	U.S.A.	172	...	...	2,444	...	...
Short	U.S.A.	235	...	...	3,509	...	...
Waste waste	U.S.A.	...	...	...	21	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,125	1	...	10,028	47	...
	England	55	...	...	58	...	...
Lighter than 18 gauge	U.S.A.	135	...	...	1,116	...	...
For cold rolling	U.S.A.	231	...	...	5,990	...	...
5¢ per pound and over	U.S.A.	11	...	...	35	...	...
Painted	U.S.A.	269	...	...	3,384	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	...	...	...	643	...	...
For saws	U.S.A.	16	...	...	208	378	...
For barrel hoops	U.S.A.	370	...	...	2,825	...	...
For motor vehicles	U.S.A.	974	...	...	7,171	54	...
Corrugated	Australia	...	...	...	1	...	...
For tubes	U.S.A.	62	...	...	63	...	...
For tubular products	U.S.A.	...	...	...	133	...	...
Silicon .075 or more	U.S.A.	...	223	...	...	1,539	...
Stainless	U.S.A.	...	...	4.3	...	...	35.0
	England	...	...	...	...	...	.4
Cold rolled -							
18 gauge and heavier	U.S.A.	461	1	...	2,868	36	...
	England	...	...	...	4	...	...
	Sweden	...	...	...	...	1	...
Lighter than 18 gauge	U.S.A.	524	4	...	4,683	4	...
	England	...	...	...	14	...	...
	Sweden	20	...	...	270	...	...
For shoe, corset laces, etc.	U.S.A.	113	...	...	710	...	...
Painted	U.S.A.	64	...	...	353	...	...
For saws	Sweden	...	15	...	24	77	...
	U.S.A.	1	12	...	15	113	...
For butt hinges	U.S.A.	18	...	...	88	...	...
For tubes	U.S.A.	213	...	...	926	...	...
For tubular products	U.S.A.	96	...	...	1,398	...	.1
Silicon .075 or more	U.S.A.	...	147	...	...	679	...
Stainless	U.S.A.	...	...	111.3	...	...	759.1
	England	...	...	.2	...	...	4.3
Galvanized strip	U.S.A.	506	...	...	5,401	...	...
Skelp - Over 14" wide							
Not more than 14" in width	U.S.A.)	(See revised break-down			1,170	...	...
Over 15 3/8" in width	U.S.A.)	commencing March, 1947)			11,558	...	...
15 3/8" and under	U.S.A.	537	...	...	954	...	...
	U.S.A.	6,109	...	...	33,303	...	...
Pipes and Tubes -							
Cast	U.S.A.	280	...	...	1,647	...	.1
	England	90	...	...	802	...	...
Bedstead	U.S.A.	38	...	...	492	...	...
Boiler and pulp mill digesters -							
Hot finished	U.S.A.	1,083	21	...	9,915	118	...
	England	...	...	...	6	...	...
Cold drawn	U.S.A.	142	...	.9	1,398	16	6.2
	England	...	...	...	1	...	...
Cold drawn, seamless	U.S.A.	...	...	...	...	...	1.0
Welded	U.S.A.	44	...	...	614	...	...

Imports of Primary Forms of Iron and Steel, September and Year to Date, 1947 (Continued)

Commodity	Country of Origin	September			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and Tubes (Con.) -							
Seamless, under 10½" dia. - Cold drawn..	U.S.A.)				995	150	22.4
	England) (See revised breakdown				13	3	11.2
Hot finished	U.S.A.)				318	...	...
Seamless, more than 10½" diameter -	)				commencing March, 1947)		
Hot finished	U.S.A.)				213	1	...
Seamless, 12" and under in diameter -							
Cold drawn..	U.S.A.	595	12	14.8	3,953	257	123.7
	England	6	1	.4	46	5	19.6
Hot finished	U.S.A.	202	21	...	1,268	65	...
	England	28	...	...	28	...	...
Seamless, more than 12" in diameter -							
Hot finished	U.S.A.	126	...	...	689	2	...
Cold drawn..	U.S.A.	...	...	...	1	...	...
Welded, more than 10½" diameter	U.S.A.)				166	...	...
	England) (See revised breakdown				205	...	...
Welded, under 10½" in diameter	U.S.A.)				1,227	1	1.6
Welded, 4" and under in diameter	U.S.A.	255	...	5.0	2,819	...	17.9
	England	...	...	...	115	...	...
Welded, more than 4" in diameter	U.S.A.	1,002	...	.5	1,644	...	.7
	England	...	...	...	289	...	...
Tubing -							
Not over ½" diameter, welded and coated.	U.S.A.	11	...	...	89	...	...
Invasion	U.S.A.	...	...	...	1,093	...	...
Casing	U.S.A.	668	...	...	3,021	...	...
Fittings and couplings	U.S.A.	129	...	.7	1,223	...	5.8
Wire rope	U.S.A.	23	...	...	535	1	2.0
	England	...	...	...	153	...	2.5
Wire -							
For wire rope	U.S.A.	1,344	...	...	12,580	...	5.2
	England	...	...	...	377	...	...
For corset laces, steels, etc.	U.S.A.	14	...	...	131	...	...
	England	...	...	...	1	...	...
For spring mattress, etc.	U.S.A.	70	...	...	940	...	...
For fencing, galvanized	U.S.A.	...	...	...	387	...	...
Wire cloth and netting	U.S.A.	95	...	.1	982	...	.7
	England	77	...	...	257	...	...
Wire, coated	U.S.A.	21	...	...	787	...	...
Wire - All other	U.S.A.	615	...	.8	4,276	1	24.1
	England	...	...	...	28	...	...
Wire rods, not over 3/8" in diameter	U.S.A.	261	...	...	792	...	...
Welding rods and welding wire	U.S.A.	137	45	10.0	1,068	133	46.5
	England	...	...	...	...	...	.3
Castings -							
For agricultural implements	U.S.A.	119	...	...	1,164	...	...
For ingot moulds	U.S.A.	3,131	...	...	23,056	...	...
Malleable	U.S.A.	31	...	...	435	...	...
Non-malleable	U.S.A.	132	...	...	1,160	...	...
	England	...	...	...	26	...	...
Steel	U.S.A.	23	10	...	546	65	1.1
	England	...	...	...	...	8	...
Rolls	U.S.A.	98	173	...	821	626	...
	England	...	...	...	1	...	...
For railway vehicles	U.S.A.	18	...	...	474	...	...
Semi-finished piston	U.S.A.	26	...	...	523	...	...

Imports of Primary Forms of Iron and Steel, September and Year to Date, 1947 (Concluded)

Commodity	Country of Origin	September			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	U.S.A.	77	9	...	1,036	190	.1
	England	...	32	...	33	163	...
Wheels -							
For railway rolling stock	U.S.A.	3	...	...	1,236	...	...
	England	...	...	...	447	...	...
Pressed	U.S.A.	20	...	...	318	...	...
Tires -							
For railway rolling stock	U.S.A.	205	...	...	3,405	...	...
	England	157	...	...	1,246	68	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	37	...	...
For all other vehicles	U.S.A.	45	...	...	362	...	...
Rails -							
60 pounds and under	U.S.A.	19	...	...	472	...	...
Over 60 pounds and under 100 pounds	U.S.A.	67	...	...	1,432	...	...
Over 100 pounds	U.S.A.	...	...	...	105	...	...
Grooved for electric tramways	U.S.A.	...	...	...	1,129	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	65	996
Intersections, switches, frogs	U.S.A.	3	67

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Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

Dominion Statistician:
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Chief - Mining, Metallurgical and Chemical Statistics:

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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - OCTOBER, 1947

Part. 1 (x)

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 203,988 net tons in October 1947, compared with 184,182 net tons in September, 1947. The October, 1947 total included 9,153 tons of semi-finished shapes; 16,629 tons of structurals; 16,793 tons of plates; 24,529 tons of rails; 50,854 tons of hot rolled bars; 12,487 tons of pipes and tubes; 15,536 tons of wire rods; 22,161 tons of black sheets; 8,055 tons of galvanized sheets; 553 tons of tool steel; 9,159 tons of castings, and 18,079 tons of other shapes. The amount of producers' interchange was 70,984 tons in October and 63,552 tons in September.

Of the amount shipped for sale during October, 40,387 tons went direct to railways and railway car shops; 12,381 tons to pressing, forming and stamping plants; 19,919 tons to merchant trade products; 25,868 tons to building construction; 11,916 tons to the containers industry; 6,329 tons to agricultural equipment; 15,891 tons to the automotive industry; 14,244 tons to machinery plant; 4,084 tons to shipbuilding; 5,559 tons to mining, lumber, etc... and 2,971 tons to miscellaneous industries. Wholesalers and warehousing accounted for 30,293 tons and exports for 14,146 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 70,984 tons in October.

Table 1 - Production of Pig Iron in Canada, October and Year to Date, 1947

	October	Year to Date
	(Tons of 2,000 pounds)	
Basic	133,179	1,306,032
Foundry	14,577	206,097
Malleable	15,579	118,020
TOTAL	163,335	1,630,149

Table 2 - Production of Steel Ingots and Castings in Canada, October and Year to Date, 1947

	October		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel Ingots - Open hearth	202,173	8,473	1,958,563	62,723
Electric	30,889	5,637	299,230	46,197
Total Ingots	233,062	14,110	2,257,793	108,920
Steel Castings	7,323	1,869	57,578	14,660
TOTAL INGOTS AND CASTINGS	240,385	15,979	2,315,371	123,580

(x) see explanatory note on page 4.

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, October, 1947

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	7,842	5,609	2,184
Other semi-finished shapes, not for re-rolling by makers	25,021	2,554	32,903
Structural shapes and piling	17,911	16,629	...
Plates	16,246	16,793	...
Rails	26,738	24,529	...
Tie plates and track material -			
Splice bars .....	...	18	...
Tie plates	31	256	1
Spikes	691	570	...
Tool steel	230	238	...
Concrete reinforcing bars	7,172	7,651	...
Hot rolled bars for cold finishing	2,025	...	1,966
Other hot rolled bars	34,488	33,735	1,290
Pipes and tubes	12,773	12,487	...
Wire rods	25,396	15,523	9,899
Hot rolled black sheets	23,004	18,352	6,915
Cold reduced black sheets	3,809	3,809	...
Galvanized sheets	7,618	8,055	142
Steel castings - Made by ingot makers	2,231	2,479	...
Made in other foundries	5,092	4,932	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	34,086	17,068	15,159
Total - Carbon Steel	252,404	191,287	70,459
<u>Alloy Steel</u>			
Billets, etc., for forging	1,130	990	...
Other semi-finished shapes, not for re-rolling by makers	525	...	525
Structural shapes and piling .....	...	...	...
Plates .....	...	...	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	422	315	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	9,081	9,468	...
Pipes and tubes .....	...	...	...
Wire rods .....	...	13	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	195	157	...
Made in other foundries	1,674	1,591	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	169	167	...
Total - Alloy Steel	13,196	12,701	525

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plant or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, Ten Months
ENDED OCTOBER, 1947

	Production (Including producers' interchange)	For sale	Shipments Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	74,120	46,450	28,302
Other semi-finished shapes, not for re-rolling by makers	335,483	77,652	279,672
Structural shapes and piling	134,206	131,708	25
Plates	163,108	161,626	32
Rails	211,579	197,503	...
Tie plates and track material -			
Splice bars	8,784	8,917	2
Tie plates	33,553	33,443	1
Spikes	11,271	11,629	...
Tool steel	1,739	1,970	...
Concrete reinforcing bars	66,400	64,364	...
Hot rolled bars for cold finishing	10,833	...	10,740
Other hot rolled bars	394,598	341,115	58,731
Pipes and tubes	110,107	117,492	42
Wire rods	230,931	165,472	69,227
Hot rolled black sheets	218,269	148,973	66,555
Cold reduced black sheets	29,921	29,921	...
Galvanized sheets	74,022	73,185	359
Steel castings - Made by ingot makers	17,942	17,610	...
Made in other foundries	39,636	38,305	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	352,665	208,311	141,757
Total - Carbon Steel	2,519,167	1,875,646	655,445
<u>Alloy Steel</u>			
Billets, etc., for forging	6,869	6,448	165
Other semi-finished shapes, not for re-rolling by makers	3,467	373	3,100
Structural shapes and piling .....	...	...	...
Plates	54	6	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Tool steel	3,206	2,937	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other cold rolled bars	67,979	68,121	...
Pipes and tubes .....	...	...	...
Wire rods	170	157	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	635	562	...
Made in other foundries	14,025	13,008	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	1,652	1,530	...
Total - Alloy Steel	98,057	93,142	3,265

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, October and Year to Date, 1947

Industry	October		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	8,702	7,189	67,729	45,911
Agricultural, including farm machinery	6,009	320	84,573	1,023
Building construction	25,781	87	231,579	838
Containers industry	11,913	3	148,371	42
Machinery and tools	13,599	645	131,760	5,722
Merchant trade products	19,869	50	208,209	1,607
Mining, lumbering, etc.	4,980	579	62,700	5,659
National defence	42	1	592	20
Pressing, forming and stamping	12,292	89	108,798	661
Public works and utilities	1,513	90	10,826	539
Railway operating	21,104	175	261,909	2,184
Railway cars and locomotives	18,883	225	125,485	1,024
Shipbuilding	4,061	23	36,562	338
Miscellaneous and unclassified	1,157	168	10,041	1,114
Wholesalers and warehouses	30,091	202	270,652	2,437
Direct export (a) to British Empire	2,454	940	78,397	2,101
(b) to Other Countries	8,837	1,915	37,463	21,922
Total Shipped for Sale	191,287	12,701	1,875,646	93,142
Producers' interchange	70,459	525	655,445	3,265

NOTE: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up.

41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-20-2-48

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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - OCTOBER, 1947

Part II

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month, and the second section on "Imports" will follow later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up. The statement on production and shipments in October, 1947 was released on December 12.

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, OCTOBER AND YEAR TO DATE, 1947

Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 Pounds)					
Pig Iron -							
Foundry	U.S.A.	...	...	...	3,851	...	...
Malleable	U.S.A.	...	...	...	160	...	...
Silvery	U.S.A.	97	...	...	241	...	...
Basic	U.S.A.	739	...	...	739	...	...
Ingots	U.S.A.	1,798	...	...	3,151	...	...
Blooms, billets, slabs and sheet bars..	U.S.A.	...	...	...	244	222	...
Tube rounds and tube billets (O.H.) ...	U.S.A.	...	...	...	2,011	...	...
Bars and Sections -							
Hot rolled, n.o.p.	U.S.A.	4,668	617	9.7	43,876	3,331	45.3
	England	...	...	...	186	...	29.3
Hot rolled -							
For agricultural implements	U.S.A.	4,074	441	...	22,566	6,835	...
Rounds over 4 7/8", squares over 4"	U.S.A.	81	...	...	1,172	131	.4
	England	...	...	...	74	...	.8
Angles, channels, etc.	U.S.A.	1,241	...	6.8	5,728	2	17.2
	Belgium	...	...	...	45	...	...
Sash or casement sections	U.S.A.	363	...	...	2,195	...	...
	England	...	...	...	112	...	...
	Belgium	11	...	...	11	...	...
Bars - Cold finished, n.o.p.	U.S.A.	931	9	.3	15,138	209	22.4
	England	27	...	...	139	...	22.1
Bars - Cold finished, for agricultural implements	U.S.A.	157	...	...	4,927	16	...
Bars - Tool steel	U.S.A.	12	48	3.4	144	538	3.4
	England	19	...	...	418	170	...
	Sweden	...	...	...	...	90	...
Structurals	U.S.A.	26,561	...	...	134,072	...	.2
	England	...	...	...	343	...	...

Imports of Primary Forms of Iron and Steel, October, and Year to Date, 1947 - (Continued)

Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 Pounds)							
Plates - 78" and under	U.S.A.	1,427	26	5.6	39,678	77	179.
	England	200	...	...	405	...	...
Over 78" and under 100"	U.S.A.	930	100	.4	22,007	247	35.
	England	...	...	...	37	...	...
Over 100"	U.S.A.	...	...	...	4,930	...	36.
Flanged, dished or curved	U.S.A.	120	...	...	1,058	...	4.
Boiler, pulp digesters, etc.	U.S.A.	366	...	...	3,238	1	27.
	England	...	...	...	422	...	...
Chequered or surface pattern	U.S.A.	671	...	...	6,152	...	...
Painted, tar asphaltum	U.S.A.	...	...	...	33	...	...
Hot rolled for saws	U.S.A.	1	...	...	2	...	...
Galvanized	U.S.A.	...	...	...	146	...	...
Sheets -							
Silicon .075 or more	U.S.A.	...	1,286	...	...	14,755	...
Galvanized	U.S.A.	1,298	...	...	7,362	...	...
	England	...	...	...	161	...	...
	Belgium	...	...	...	11	...	...
Hot rolled--							
18 gauge and heavier	U.S.A.	3,554	...	...	38,565	37	...
Lighter than 18 gauge	U.S.A.	408	...	...	3,470	1	...
	England	...	...	...	3	...	...
For hollow ware (vitreous enamel)	U.S.A.	300	...	...	3,545	...	...
Corrugated	U.S.A.	310	...	...	1,687	...	...
5¢ per pound and over	U.S.A.	109	34	...	166	34	...
Coated with paint, asphaltum, etc.	U.S.A.	308	...	...	1,142	...	...
Shaped for agricultural implements	U.S.A.	25	...	...	304	...	...
For saws	U.S.A.	2	1	...	582	874	...
	England	...	2	...	...	9	...
For cold rolled strip	U.S.A.	...	...	...	596	...	...
For tubes	U.S.A.	...	...	...	173	...	...
For tubular products	U.S.A.	...	...	...	42	...	...
Stainless	U.S.A.	...	...	6.4	...	...	188.
	England	...	...	...	...	...	90.
Cold rolled -							
18 gauge and heavier	U.S.A.	1,248	3	...	10,401	3	...
	England	...	...	...	20	...	...
Lighter than 18 gauge	U.S.A.	2,609	...	...	23,275	37	...
	England	...	...	...	356	...	...
For hollow ware (vitreous enamel)	U.S.A.	87	...	...	1,305	...	...
Black plate (tin mill)	U.S.A.	423	...	...	8,779	...	...
Coated with paint, tar, asphaltum, etc.	U.S.A.	17	...	...	121	...	...
5¢ per pound and over	U.S.A.	42	...	...	42	...	...
For saws	U.S.A.	...	6	...	...	27	...
	England	...	2	...	...	14	...
	Sweden	...	...	...	...	6	...
For heating apparatus	U.S.A.	10	...	...	218	...	...
For tubes	U.S.A.	...	...	...	4,179	...	...
For tubular products	U.S.A.	...	...	...	59	...	...
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	...	...	...	6	...	...
Silicon .075 or more	U.S.A.	...	...	...	...	212	...
Stainless	U.S.A.	...	...	211.6	...	...	1,676.
	England	...	...	...	...	...	17.
Black plate - For tinning	U.S.A.	2,687	...	...	53,108	...	...

Imports of Primary Forms of Iron and Steel, October, and Year to Date, 1947 - (Continued)

Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 Pounds)							
Sheets - (Con.)							
Cold rolled -							
Tin plate - Primes	U.S.A.	4,206	...	...	41,736	...	...
	England	64	...	...	300	...	...
Waste waste	U.S.A.	21	...	...	347	...	...
Seconds	England	...	...	...	3	...	...
Electrolytic--Primes (25#).	U.S.A.	495	...	...	15,645	...	...
" (75#).	U.S.A.	...	...	...	38	...	...
Waste waste..	U.S.A.	...	...	...	231	...	...
Terne plate - Long	U.S.A.	202	...	...	2,646	...	...
Short	U.S.A.	350	...	...	3,859	...	...
Waste waste	U.S.A.	...	...	...	21	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,613	...	...	11,641	47	...
	England	...	...	...	58	...	...
Lighter than 18 gauge	U.S.A.	159	...	...	1,275	...	...
For cold rolling	U.S.A.	210	...	...	8,200	...	...
5¢ per pound and over	U.S.A.	...	...	...	35	...	...
Painted	U.S.A.	276	...	...	3,660	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	28	...	...	671	...	...
For saws	U.S.A.	1	...	...	209	378	...
For barrel hoops	U.S.A.	...	...	...	2,825	...	...
For motor vehicles	U.S.A.	643	...	...	7,814	54	...
Corrugated	Australia	...	...	...	1	...	...
For tubes	U.S.A.	...	...	...	63	...	...
For tubular products	U.S.A.	...	...	...	133	...	...
Silicon .075 or more	U.S.A.	...	...	...	...	1,539	...
Stainless	U.S.A.	...	...	1.6	...	...	36.6
	England	...	...	...	...	...	.4
Cold rolled -							
18 gauge and heavier	U.S.A.	480	...	...	3,348	36	...
	England	...	...	...	4	...	...
	Sweden	...	...	...	...	1	...
Lighter than 18 gauge	U.S.A.	654	1	...	5,337	5	...
	England	...	...	...	14	...	...
	Sweden	...	...	...	270	...	...
For shoe, corset laces, etc.	U.S.A.	60	...	...	770	...	...
Painted	U.S.A.	40	...	...	393	...	...
For saws	Sweden	...	...	...	24	77	...
	U.S.A.	...	...	...	15	113	...
For motor vehicles	U.S.A.	2	...	...	2	...	...
For butt hinges	U.S.A.	...	...	...	88	...	...
For tubes	U.S.A.	...	...	...	926	...	...
For tubular products	U.S.A.	...	...	...	1,398	...	.1
Silicon .075 or more	U.S.A.	...	...	...	...	679	...
Stainless	U.S.A.	...	...	116.7	...	...	875.8
	England	...	...	...	...	...	4.3
Galvanized strip	U.S.A.	238	...	...	5,639	...	...

Imports of Primary Forms of Iron and Steel, October and Year to Date, 1947 - (Continued)

Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 Pounds)					
Skelp - Over 14" wide	U.S.A.)	(See revised break-down			1,170	...	...
Not more than 14" in width	U.S.A.)	commencing March, 1947)			11,558	...	...
Over 15 3/8" in width	U.S.A.	102	...	...	1,056	...	...
15 3/8" and under	U.S.A.	5,904	...	...	39,207	...	...
Pipes and Tubes -							
Cast	U.S.A.	13	...	...	1,660	...	.1
	England	...	...	...	802	...	...
Bedstead	U.S.A.	...	...	...	492	...	...
Boiler and pulp mill digesters -							
Hot finished	U.S.A.	115	...	...	10,028	118	...
	England	...	...	...	6	...	...
Cold drawn	U.S.A.	30	...	...	1,928	16	6.2
	England	...	...	...	1	...	...
Cold drawn, seamless	U.S.A.	25	...	...	25	...	1.0
Welded	U.S.A.	...	...	...	614	...	...
Seamless, under 10 1/2" dia. - Cold drawn ..	U.S.A.)				995	150	22.4
	England)	(See revised break-down			13	3	11.2
Hot finished. U.S.A.)					318	...	...
Seamless, more than 10 1/2" diameter -	)	commencing March, 1947)					
Hot finished. U.S.A.)					213	1	1
Seamless, 12" and under in diameter -							
Cold drawn ..	U.S.A.	797	5	1.0	4,750	262	124.7
	England	...	...	...	46	5	19.6
Hot finished. U.S.A.		689	...	...	1,957	65	...
	England	...	...	...	28	...	...
Seamless, more than 12" in diameter -							
Hot finished. U.S.A.		1	...	...	690	2	...
Cold drawn ..	U.S.A.	...	...	...	1	...	...
Welded, more than 10 1/2" diameter	U.S.A.)				166	...	...
	England)	(See revised break-down			205	...	...
Welded, under 10 1/2" in diameter	U.S.A.)				1,127	1	1.6
Welded, 4" and under in diameter	U.S.A.	241	33	4.7	3,060	33	22.6
	England	...	...	...	115	...	...
Welded, more than 4" in diameter	U.S.A.	616	...	...	2,260	...	.7
	England	...	...	...	289	...	...
Tubing -							
Not over 1/2" diameter, welded and coated..	U.S.A.	1	...	...	90	...	...
Invasion	U.S.A.	...	...	...	1,093	...	...
Casings	U.S.A.	...	...	...	3,021	...	...
Fittings and couplings	U.S.A.	154	...	.1	1,377	...	5.9
Wire rope	U.S.A.	182	...	...	717	1	2.0
	England	1	...	...	154	...	2.5
Wire -							
For wire rope	U.S.A.	1,615	...	...	14,195	...	5.2
	England	88	...	...	465	...	...
For corset laces, steels, etc.	U.S.A.	15	...	...	146	...	...
	England	...	...	...	1	...	...
For spring mattress, etc.	U.S.A.	195	...	...	1,135	...	...
For fencing, galvanized	U.S.A.	277	...	...	664	...	...
Wire cloth and netting	U.S.A.	...	...	...	982	...	.7
	England	...	...	...	257	...	...
Wire, coated	U.S.A.	1	...	...	788	...	...
Wire - All other	U.S.A.	478	1	.4	4,754	2	24.5
	England	...	...	...	28	...	...
Wire rods, not over 3/8" in diameter	U.S.A.	...	...	...	792	...	...
Welding rods and welding wire	U.S.A.	6	...	.1	1,074	133	46.6
	England	...	...	...	...	...	.3

Imports of Primary Forms of Iron and Steel, October and Year to Date, 1947 - (Concluded)

Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings -							
For agricultural implements	U.S.A.	29	...	...	1,193	...	...
For ingot moulds	U.S.A.	568	...	...	23,624	...	...
Malleable	U.S.A.	100	...	...	535	...	...
Non-malleable	U.S.A.	153	...	...	1,313	...	...
	England	...	...	...	26	...	...
Steel	U.S.A.	43	...	...	589	65	1.1
	England	...	...	...	...	8	...
Rolls	U.S.A.	...	...	...	821	626	...
	England	...	...	...	1	...	...
For railway vehicles	U.S.A.	3	...	...	477	...	...
Semi-finished piston	U.S.A.	6	...	...	529	...	...
Forgings	U.S.A.	18	1	...	1,054	191	.1
	England	...	...	...	33	163	...
Wheels -							
For railway rolling stock	U.S.A.	...	...	...	1,236	...	...
	England	...	...	...	447	...	...
Pressed	U.S.A.	...	...	...	318	...	...
Tires -							
For railway rolling stock	U.S.A.	...	1	...	3,405	1	...
	England	65	...	...	1,311	68	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	37	...	...
For all other vehicles	U.S.A.	1	...	...	363	...	...
Rails -							
60 pounds and under	U.S.A.	105	...	...	577	...	...
Over 60 pounds and under 100 pounds	U.S.A.	99	...	...	1,531	...	...
Over 100 pounds	U.S.A.	6	...	...	111	...	...
Grooved for electric tramways	U.S.A.	...	...	...	1,129	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	6	...	...	1,002	...	...
Intersections, switches, frogs	U.S.A.	2	...	...	69	...	...

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

Dominion Statistician:
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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - NOVEMBER, 1947

Part I (*)

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 208,402 net tons in November, 1947, compared with 203,988 net tons in October, 1947. The November, 1947 total included 6,457 tons of semi-finished shapes; 18,295 tons of structurals; 18,679 tons of plates; 26,489 tons of rails; 52,789 tons of hot rolled bars; 11,632 tons of pipes and tubes; 16,912 tons of wire rods; 21,180 tons of black sheets; 6,060 tons of galvanized sheets; 8,705 tons of castings, and 21,204 tons of other shapes. The amount of producers' interchange was 63,261 tons in November and 70,984 tons in October.

Of the amount shipped for sale during November, 38,735 tons went direct to railways and railway car shops; 11,151 tons to pressing, forming and stamping plants; 19,510 tons to merchant trade products; 22,488 tons to building construction; 13,911 tons to the containers industry; 12,161 tons to agricultural equipment; 14,117 tons to the automotive industry; 13,253 tons to machinery plants; 4,309 tons to shipbuilding; 6,400 tons to mining, lumber, etc., and 2,811 tons to miscellaneous industries. Wholesalers and warehousing accounted for 31,352 tons and exports for 18,204 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 63,261 tons in November.

Table 1 - Production of Pig Iron in Canada, November, and Year to Date, 1947

	November	Year to Date
	(Tons of 2,000 pounds)	
Basic	148,845	1,454,877
Foundry	12,346	218,443
Malleable	12,956	130,976
TOTAL	174,147	1,804,296

Table 2 - Production of Steel Ingots and Castings in Canada, November and Year to Date, 1947

	November		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel Ingots - Open hearth	202,890	8,269	2,161,453	70,992
Electric	29,560	6,066	328,790	52,263
Total Ingots	232,450	14,335	2,490,243	123,255
Steel Castings	6,725	1,741	64,303	16,401
TOTAL INGOTS AND CASTINGS	239,175	16,076	2,554,546	139,656

(*) See explanatory note on Page 4.

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		

<u>Alloy Steel</u>			
Billets, etc., for forging	472	505	...
Other semi-finished shapes, not for re-rolling by makers	840	...	840
Structural shapes and piling .....	...	...	...
Plates	2	2	...
Rails .....	...	...	...
Tie plates and track material - Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	8,011	7,892	...
Pipes and tubes .....	...	...	...
Wire rods	14	14	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	149	133	...
Made in other foundries	1,592	1,565	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	192	161	...
Total - Alloy Steel	11,272	10,272	840

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Eleven Months Ended November, 1947

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	82,599	51,960	31,630
Other semi-finished shapes, not for re-rolling by makers	369,338	78,094	311,011
Structural shapes and piling	150,363	150,003	25
Plates	182,042	180,303	32
Rails	231,171	223,992	...
Tie plates and track material - Splice bars	9,197	9,192	2
Tie plates	33,567	33,446	1
Spikes	12,266	12,607	...
Concrete reinforcing bars	72,251	70,237	...
Hot rolled bars for cold finishing	11,628	...	11,603
Other hot rolled bars	442,453	382,109	61,280
Pipes and tubes	121,273	129,124	42
Wire rods	252,765	182,370	74,166
Hot rolled black sheets	246,992	166,608	72,842
Cold reduced black sheets	33,466	33,466	...
Galvanized sheets	81,029	79,245	506
Steel castings - Made by ingot makers	20,057	19,804	...
Made in other foundries	44,246	43,118	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	383,457	228,098	154,726
Total - Carbon Steel	2,780,160	2,073,776	717,866
<u>Alloy Steel</u>			
Billets, etc., for forging	7,341	6,953	165
Other semi-finished shapes, not for re-rolling by makers	4,307	373	3,940
Structural shapes and piling .....	...	...	...
Plates	56	8	...
Rails .....	...	...	...
Tie plates and track material - Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	79,196	78,950	...
Pipes and tubes .....	...	...	...
Wire rods	184	171	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	784	695	...
Made in other foundries	15,617	14,573	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	1,844	1,691	...
Total - Alloy Steel	109,329	103,414	4,105

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, November and Year to Date, 1947

Industry	November		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	8,156	5,961	75,885	51,872
Agricultural, including farm machinery	12,120	41	96,693	1,064
Building construction	22,448	40	254,027	878
Containers industry	13,904	7	162,275	49
Machinery and tools	12,659	594	144,419	6,316
Merchant trade products	19,436	74	227,645	1,681
Mining, lumbering, etc.	5,916	484	68,616	6,143
National defence	281	1	873	21
Pressing, forming and stamping	11,111	40	119,909	701
Public works and utilities	520	45	11,346	584
Railway operating	18,023	199	279,932	2,383
Railway cars and locomotives	20,315	198	145,800	1,222
Shipbuilding	4,276	33	40,838	371
Miscellaneous and unclassified	1,810	154	11,851	1,268
Wholesalers and warehouses	31,151	201	301,803	2,638
Direct export (a) to British Empire ..	2,167	130	80,564	2,231
(b) to Other Countries..	13,837	2,070	51,300	23,992
Total Shipped for Sale	198,130	10,272	2,073,776	103,414
Producers' interchange	62,421	840	717,866	4,105

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month, and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up.

41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

1928-1-3-48

DEPT. OF
ECONOMYDepartment of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - NOVEMBER, 1947

(Part II)

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up. The statement on production and shipments in November, 1947 was released on February 9, 1948.

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, NOVEMBER, AND YEAR TO DATE, 1947

Commodity	Country of Origin	November			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Foundry	U.S.A.	...	...	...	3,851	...	...
Malleable	U.S.A.	...	...	...	160	...	...
Silvery	U.S.A.	...	...	...	241	...	...
Basic	U.S.A.	405	...	...	1,144	...	...
Ingots	U.S.A.	464	...	...	3,615	...	...
Billets, blooms, slabs and sheet bars ...	U.S.A.	339	3	...	583	225	...
Tube rounds and tube billets (O.H.)	U.S.A.	656	...	...	2,667	...	...
Bars and Sections -							
Hot rolled, n.o.p.	U.S.A.	4,069	22	25.5	47,945	3,353	70.8
	England	...	...	40.3	186	...	69.6
Hot rolled -							
For agricultural implements	U.S.A.	1,894	157	...	24,460	6,992	...
Rounds over 4 7/8", squares over 4"	U.S.A.	88	2	...	1,260	133	.4
	England	...	...	...	74	...	.8
	Scotland	43	...	...	43	...	...
Angles, channels, etc.	U.S.A.	2,343	...	...	8,071	2	17.2
	Belgium	...	...	...	45	...	...
Sash or casement sections	U.S.A.	...	...	...	2,195	...	...
	England	...	...	...	112	...	...
	Belgium	...	...	...	11	...	...
Bars - Cold rolled, n.o.p.	U.S.A.	1,017	80	.1	16,155	289	22.5
	England	...	...	...	139	...	22.1
Bars - Cold rolled, for agricultural implements	U.S.A.	329	...	...	5,256	16	...
Bars - Tool steel	U.S.A.	3	89	...	147	627	3.4
	England	12	6	...	430	176	...
	Sweden	...	...	...	...	90	...
Structurals	U.S.A.	17,235	...	...	151,307	...	.2
	England	69	...	...	412	...	...
	Scotland	3	...	...	3	...	...

Imports of Primary Forms of Iron and Steel, November and Year to Date, 1947 (Continued)

Commodity	Country of Origin	November			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Plates - 78" and under 100" in width	U.S.A.	2,065	85	24.3	41,743	162	203.3
	England	...	...	1.2	405	...	1.2
Over 78" and under 100" in width..	U.S.A.	1,982	...	1.2	23,989	247	36.9
	England	...	...	.7	37	...	.7
Over 100" in width	U.S.A.	35	...	...	4,965	...	36.0
Flanged, dished or curved	U.S.A.	126	...	...	1,184	...	4.0
Boiler, pulp digesters, etc.	U.S.A.	245	...	...	3,483	1	27.5
	England	...	...	...	422	...	...
	Scotland	1	...	...	1	...	...
Chequered or surface pattern	U.S.A.	274	...	...	6,426	...	...
Painted, tar asphaltum	U.S.A.	...	...	...	33	...	...
Hot rolled for saws	U.S.A.	2	...	...	4	...	...
Galvanized	U.S.A.	...	...	...	146	...	...
Sheets -							
Silicon .075 or more	U.S.A.	...	1,350	...	...	16,105	...
Galvanized	U.S.A.	210	...	...	7,572	...	...
	England	11	...	...	172	...	...
	Belgium	...	...	...	11	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	1,999	80	...	40,564	117	...
Lighter than 18 gauge	U.S.A.	714	1	...	4,184	2	...
	England	...	...	...	3	...	...
For hollow ware (vitreous enamel)	U.S.A.	113	...	...	3,658	...	...
Corrugated	U.S.A.	113	...	...	1,800	...	...
5¢ per pound and over	U.S.A.	179	4	...	345	38	...
	Sweden	3	...	...	3	...	...
Coated with paint, asphaltum, etc.	U.S.A.	204	...	...	1,346	...	...
Shaped for agricultural implements	U.S.A.	78	...	...	382	...	...
For saws	U.S.A.	...	2	...	582	876	...
	England	...	...	...	...	9	...
For cold rolled strip	U.S.A.	...	...	...	596	...	...
For tubes	U.S.A.	...	...	...	173	...	...
For tubular products	U.S.A.	...	...	...	42	...	...
Stainless	U.S.A.	...	...	113.6	...	...	301.6
	England	...	...	...	...	...	90.2
Cold rolled -							
18 gauge and heavier	U.S.A.	479	12	...	10,880	15	...
	England	...	...	...	20	...	...
Lighter than 18 gauge	U.S.A.	2,022	25	...	25,297	62	...
	England	14	...	...	370	...	...
For hollow ware (vitreous enamel)	U.S.A.	155	...	...	1,460	...	...
Black plate (tin mill)	U.S.A.	719	...	...	9,498	...	...
Coated with paint, tar, asphaltum, etc.	U.S.A.	53	...	...	174	...	...
5¢ per pound and over	U.S.A.	45	...	...	87	...	...
For saws	U.S.A.	97	4	...	97	31	...
	England	...	...	...	...	14	...
	Sweden	...	5	...	...	11	...
For heating apparatus	U.S.A.	22	...	...	240	...	...
For tubes	U.S.A.	...	...	...	4,179	...	...
For tubular products	U.S.A.	...	...	...	59	...	...
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	...	...	...	6	...	...
Silicon .075 or more	U.S.A.	...	...	...	...	212	...
Stainless	U.S.A.	...	...	214.0	...	...	1,890.9
	England	...	...	...	...	...	17.2
Black plate - For tinning	U.S.A.	3,751	...	...	56,859	...	...

Imports of Primary Forms of Iron and Steel, November and Year to Date, 1947 (Continued)

Commodity	Country of Origin	November			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets (Con.)							
Cold rolled -							
Tin plate--Primes	U.S.A.	3,789	...	...	45,525	...	...
	England	24	...	...	324	...	...
Waste waste	U.S.A.	148	...	...	495	...	...
Seconds	England	...	...	...	3	...	...
Electrolytic--Primes (25#) ..	U.S.A.	2,345	...	...	15,990	...	...
(50#) ..	U.S.A.	337	...	...	337	...	...
(75#) ..	U.S.A.	...	...	...	38	...	...
Waste waste ..	U.S.A.	...	...	...	231	...	...
Terne plate - Long	U.S.A.	350	...	...	2,996	...	...
Short	U.S.A.	125	...	...	3,984	...	...
Waste waste	U.S.A.	...	...	...	21	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	1,791	...	...	13,432	47	...
	England	...	...	...	58	...	...
Lighter than 18 gauge	U.S.A.	51	...	...	1,326	...	...
For cold rolling	U.S.A.	44	...	...	6,244	...	...
5¢ per pound and over	U.S.A.	4	...	...	39	...	...
Painted	U.S.A.	159	...	...	3,819	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	...	...	...	671	...	...
For saws	U.S.A.	...	7	...	209	385	...
For barrel hoops	U.S.A.	...	...	...	2,855	...	...
For motor vehicles	U.S.A.	850	...	...	8,664	54	...
Corrugated	Australia	...	...	...	1	...	...
For tubes	U.S.A.	...	...	...	63	...	...
For tubular products	U.S.A.	...	...	...	133	...	...
Silicon .075 or more	U.S.A.	...	...	...	...	1,539	...
Stainless	U.S.A.	...	...	4.4	...	...	41.0
	England	...	...	...	...	...	.4
Cold rolled -							
18 gauge and heavier	U.S.A.	1,166	...	...	4,514	36	...
	England	...	...	...	4	...	...
	Sweden	...	...	...	...	1	...
Lighter than 18 gauge	U.S.A.	932	...	...	6,269	5	...
	England	...	...	...	14	...	...
	Sweden	...	...	...	270	...	...
For shoe, corset laces, etc.	U.S.A.	...	...	...	770	...	...
Painted	U.S.A.	25	...	...	418	...	...
For saws	Sweden	12	...	...	36	77	...
	U.S.A.	...	11	...	15	124	...
For motor vehicles	U.S.A.	...	...	...	2	...	...
For butt hinges	U.S.A.	...	...	...	88	...	...
For tubes	U.S.A.	...	...	...	926	...	...
For tubular products	U.S.A.	...	...	...	1,398	838	.1
Silicon .075 or more	U.S.A.	...	159	...	...	...	...
Stainless	U.S.A.	...	...	33.9	...	...	909.7
	England	...	...	...	...	...	4.3
Galvanized strip	U.S.A.	681	...	...	6,320	...	...
Skelp -							
Over 14" wide	U.S.A.)	(See revised breakdown			1,170	...	...
Not more than 14" in width	U.S.A.)	commencing March, 1947)			11,558	...	...
Over 15 3/8" in width	U.S.A.	518	...	...	1,574	...	...
15 3/8" and under	U.S.A.	4,638	...	...	43,845	...	...

Imports of Primary Forms of Iron and Steel, November and Year to Date, 1947 (Continued)

Commodity	Country of Origin	November			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 Pounds)					
Pipes and Tubes -							
Cast	U.S.A.	152	...	...	1,812	...	.1
	England	37	...	...	839	...	...
Bedstead	U.S.A.	...	...	...	492	...	...
Boiler and pulp mill digesters -							
Hot finished	U.S.A.	562	...	...	10,590	118	...
	England	...	...	...	6	...	...
Cold drawn	U.S.A.	250	...	...	2,178	16	6.2
	England	...	...	...	1	...	...
Cold drawn, seamless	U.S.A.	16	...	...	41	...	1.0
Welded	U.S.A.	129	...	...	743	...	...
Seamless, under 10½" dia. - Cold drawn ..	U.S.A.)	(See revised breakdown commencing March, 1947)			995	150	22.4
	England)				13	3	11.2
Hot finished. U.S.A.)	318				...	...
Seamless, more than 10½" diameter -	U.S.A.)				213	1	...
Hot finished. U.S.A.)							
Seamless, 12" and under in diameter -							
Cold drawn ..	U.S.A.	821	2	16.9	5,571	264	141.6
	England	9	...	1.1	55	5	20.7
Hot finished. U.S.A.	U.S.A.	755	...	...	2,712	65	...
	England	...	...	...	28	...	...
Seamless, more than 12" in diameter -							
Hot finished. U.S.A.	U.S.A.	18	...	5.3	708	2	5.3
Cold drawn ..	U.S.A.	...	...	...	1	...	...
Welded, more than 10½" diameter	U.S.A.)	(See revised breakdown commencing March, 1947)			166	...	...
	England)				205	...	...
Welded, under 10½" in diameter	U.S.A.)				1,127	1	1.6
Welded, 4" and under in diameter	U.S.A.	586	...	.2	3,646	33	22.8
	England	...	...	...	115	...	...
Welded, more than 4" in diameter	U.S.A.	745	...	...	3,005	...	.7
	England	...	...	...	289	...	...
Tubing -							
Not over ½" diameter, welded and coated..	U.S.A.	11	...	.2	101	...	.2
Invasion	U.S.A.	...	...	...	1,093	...	...
Casing	U.S.A.	168	...	...	3,189	...	...
Fittings and couplings	U.S.A.	369	...	1.5	1,746	...	7.4
Wire rope							
	U.S.A.	95	...	...	812	1	2.0
	England	12	...	...	166	...	2.5
Wire -							
For wire rope	U.S.A.	1,077	...	...	15,272	...	5.2
	England	60	...	...	525	...	...
	Scotland	34	...	...	34	...	...
For corset laces, steels, etc.	U.S.A.	11	...	...	157	...	...
	England	...	...	...	1	...	...
For spring mattress, etc.	U.S.A.	93	...	...	1,228	...	...
For fencing, galvanized	U.S.A.	199	...	...	863	...	...
Wire cloth and netting	U.S.A.	...	...	...	982	...	.7
	England	...	...	...	257	...	...
Wire, coated	U.S.A.	...	...	...	788	...	...
Wire - All other	U.S.A.	1,084	...	1.0	5,838	2	25.5
	England	56	...	...	84	...	...
Wire rods, not over 3/8" in diameter	U.S.A.	30	...	...	822	...	...
Welding rods and welding wire	U.S.A.	60	...	.4	1,134	133	47.0
	England	...	...	...	...	...	.3

Imports of Primary Forms of Iron and Steel, November and Year to Date, 1947 (Concluded)

Commodity	Country of Origin	November			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 Pounds)					
Castings -							
For agricultural implements	U.S.A.	6	...	...	1,199	...	...
For ingot moulds	U.S.A.	2,830	...	...	26,454	...	...
Malleable	U.S.A.	102	...	...	637	...	...
Non-malleable	U.S.A.	187	3	...	1,500	3	...
	England	...	...	...	26	...	...
Steel	U.S.A.	177	107	...	766	172	1.1
	England	...	...	...	...	8	...
Rolls	U.S.A.	106	21	...	927	647	...
	England	...	...	...	1	...	...
For railway vehicles	U.S.A.	1	...	...	478	...	...
Semi-finished piston	U.S.A.	3	...	...	532	...	...
Piston rings	U.S.A.	1	...	...	1	...	...
Forgings	U.S.A.	42	2	...	1,096	193	.1
	England	...	3	...	33	166	...
Wheels -							
For railway rolling stock	U.S.A.	28	...	...	1,264	...	...
	England	...	...	...	447	...	...
Pressed	U.S.A.	78	...	...	396	...	...
Tires -							
For railway rolling stock	U.S.A.	211	...	...	3,616	1	...
	England	172	...	...	1,483	68	...
Axles -							
For railway vehicles	U.S.A.	27	...	...	64	...	...
For all other vehicles	U.S.A.	3	...	...	366	...	...
Rails -							
60 pounds and under	U.S.A.	5	...	...	582	...	...
Over 60 pounds and under 100 pounds	U.S.A.	114	...	...	1,645	...	...
Over 100 pounds	U.S.A.	4	...	...	115	...	...
Grooved for electric tramways	U.S.A.	...	...	...	1,129	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	87	...	...	1,089	...	...
Intersections, switches, frogs	U.S.A.	12	...	...	81	...	...

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-13-2-48

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
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Dominion Statistician:

Herbert Marshall

Director - Division of Census of Industry and Merchandising:

W. H. Losee

Chief - Mining, Metallurgical and Chemical Statistics:

H. McLeod

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - DECEMBER, 1947

Part. 1 (x)

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 178,273 net tons in December, 1947, compared with 208,402 net tons in November, 1947. The December, 1947 total included 4,838 tons of semi-finished shapes; 10,844 tons of structurals; 18,150 tons of plates; 11,065 tons of rails; 45,854 tons of hot rolled bars; 11,629 tons of pipes and tubes; 14,870 tons of wire rods; 22,590 tons of black sheets; 7,806 tons of galvanized sheets; 8,202 tons of castings, and 22,425 tons of other shapes. The amount of producers' interchange was 84,376 tons in December and 63,261 tons in November.

Of the amount shipped for sale during December, 33,508 tons went direct to railways and railway car shops; 10,666 tons to pressing, forming and stamping plants; 20,948 tons to merchant trade products; 19,263 tons to building construction; 9,722 tons to the containers industry; 9,603 tons to agricultural equipment; 10,805 tons to the automotive industry; 13,417 tons to machinery plant; 4,342 tons to shipbuilding; 5,773 tons to mining, lumber, etc... and 2,875 tons to miscellaneous industries. Wholesalers and warehousing accounted for 26,974 tons and exports for 10,377 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 84,376 tons in December.

Table 1 - Production of Pig Iron in Canada, December and Year 1947

	December	Year 1947
	(Tons of 2,000 pounds)	
Basic	132,738	1,587,615
Foundry	16,334	234,777
Malleable	16,479	147,455
TOTAL	165,551	1,969,847

Table 2 - Production of Steel Ingots and Castings in Canada, December and Year 1947

	December		Year 1947	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel Ingots - Open hearth	202,942	3,700	2,364,395	74,692
Electric	28,938	5,485	357,728	57,748
Total Ingots	231,880	9,185	2,722,123	132,440
Steel Castings	6,958	1,703	71,261	18,104
TOTAL INGOTS AND CASTINGS	238,838	10,888	2,793,384	150,544

(x) see explanatory note on page 4.

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, December, 1947

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	7,544	4,072	3,384
Other semi-finished shapes, not for re-rolling by makers	32,932	340	35,234
Structural shapes and piling	10,855	10,844	...
Plates	19,005	18,150	...
Rails	18,877	11,065	...
Tie plates and track material -			
Splice bars	828	622	...
Tie plates	5,564	5,457	...
Spikes	1,228	1,184	...
Concrete reinforcing bars	6,982	5,362	...
Hot rolled bars for cold finishing	1,528	...	1,420
Other hot rolled bars	46,589	34,359	10,709
Pipes and tubes.....	8,168	11,599	...
Wire rods	23,006	14,870	9,728
Hot rolled black sheets	25,816	18,713	7,460
Cold reduced black sheets	3,877	3,877	...
Galvanized sheets	8,178	7,806	174
Steel castings - Made by ingot makers	2,033	2,159	...
Made in other foundries	4,925	4,511	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	34,632	14,922	16,186
Total - Carbon Steel	262,567	169,912	84,295
<u>Alloy Steel</u>			
Billets, etc., for forging	458	426	81
Other semi-finished shapes, not for re-rolling by makers .....	...	...	...
Structural shapes and piling .....	...	...	...
Plates .....	...	...	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	5,990	6,133	...
Pipes and tubes	30	30	...
Wire rods .....	...	...	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	185	156	...
Made in other foundries	1,518	1,376	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	174	240	...
Total - Alloy Steel	8,355	8,361	81

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, YEAR 1947

	Production (Including producers' interchange	For sale	Shipments Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	90,143	56,032	35,014
Other semi-finished shapes, not for re-rolling by makers	402,270	78,434	346,245
Structural shapes and piling	161,218	160,847	25
Plates	201,047	198,453	32
Rails	250,048	235,057	...
Tie plates and track material -			
Splice bars	10,025	9,814	2
Tie plates	39,131	38,903	1
Spikes	13,494	13,791	...
Concrete reinforcing bars	79,233	75,599	...
Hot rolled bars for cold finishing	13,156	...	13,023
Other hot rolled bars	489,042	416,468	71,989
Pipes and tubes	129,441	140,723	42
Wire rods	275,771	197,240	83,894
Hot rolled black sheets	272,808	185,321	80,302
Cold reduced black sheets	37,343	37,343	...
Galvanized sheets	89,207	87,051	680
Steel castings - Made by ingot makers	22,090	21,963	...
Made in other foundries	49,171	47,629	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	418,089	243,020	170,912
Total - Carbon Steel	3,042,727	2,243,688	802,161
<u>Alloy Steel</u>			
Billets, etc., for forging	7,799	7,379	246
Other semi-finished shapes, not for re-rolling by makers	4,307	373	3,940
Structural shapes and piling .....	...	...	...
Plates	56	8	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	85,186	85,083	...
Pipes and tubes	30	30	...
Wire rods	184	171	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	969	851	...
Made in other foundries	17,135	15,949	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	2,018	1,931	...
Total - Alloy Steel	117,684	111,775	4,186

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, December and Year 1947

Industry	December		Year 1947	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	7,197	3,608	83,082	55,480
Agricultural, including farm machinery	9,538	65	106,231	1,129
Building construction	19,207	56	273,234	934
Containers industry	9,720	2	171,995	51
Machinery and tools	12,843	574	157,262	6,890
Merchant trade products	20,824	124	248,469	1,805
Mining, lumbering, etc.	5,158	615	73,774	6,758
National defence	25	5	898	26
Pressing, forming and stamping	10,630	36	130,539	737
Public works and utilities	1,050	66	12,396	650
Railway operating	16,320	310	296,252	2,693
Railway cars and locomotives	16,531	347	162,331	1,569
Shipbuilding	4,304	38	45,142	409
Miscellaneous and unclassified	1,560	169	13,411	1,437
Wholesalers and warehouses	26,808	166	328,611	2,804
Direct export (a) to British Empire	764	271	81,328	2,502
(b) to Other Countries	7,433	1,909	58,733	25,901
Total Shipped for Sale	169,912	8,361	2,243,688	111,775
Producers' interchange	84,295	81	802,161	4,186

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up.

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-25-3-48

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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - DECEMBER 1947

(Part II)

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up. The statement on production and shipments in December 1947 was released on February, 13, 1948.

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, DECEMBER AND YEAR TO DATE, 1947

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Foundry	U.S.A.	...	...	...	3,851	...	...
Malleable	U.S.A.	...	...	...	160	...	...
Silvery	U.S.A.	...	...	...	241	...	...
Basic	U.S.A.	668	...	...	1,812	...	...
Ingots	U.S.A.	766	...	...	4,381	...	...
Billets, blooms, slabs and sheet bars	U.S.A	278	...	...	861	225	...
Tube rounds and tube billets (O.H.) .	U.S.A.	...	...	...	2,667	...	...
Bars and Sections -							
Hot rolled, n.o.p.	U.S.A.	4,782	649	10.1	52,727	4,002	80.9
	England	5	...	...	191	...	69.6
Hot rolled -							
For agricultural implements	U.S.A.	1,833	45	...	26,293	7,037	...
Rounds over 4 7/8", squares over 4"	U.S.A.	201	2	...	1,461	135	.4
	England	...	...	...	74	...	.8
	Scotland	...	...	...	43	...	...
Angles, channels, etc.	U.S.A.	2,129	...	50.6	10,200	2	67.8
	Belgium	...	...	...	45	...	...
Sash or casement sections	U.S.A.	156	...	...	2,351	...	...
	England	...	...	...	112	...	...
	Belgium	...	...	...	11	...	...
Bars - Cold rolled, n.o.p.	U.S.A.	765	6	2.7	16,920	295	25.2
	England	...	...	...	139	...	22.1
Bars - Cold rolled, for agricultural implements	U.S.A.	442	...	...	5,698	16	...
Bars - Tool steel	U.S.A.	43	55	...	190	682	3.4
	England	8	11	...	438	187	...
	Sweden	...	...	...	...	90	...
Structurals	U.S.A.	15,147	...	...	166,454	...	.2
	England	84	...	...	496	...	...
	Scotland	7	...	...	10	...	...

Imports of Primary Forms of Iron and Steel, December and Year to Date, 1947 (Continued)

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates - 78" and under 100" in width	U.S.A.	2,694	...	42.9	44,437	162	246.2
	England	...	...	...	405	...	1.2
Over 78" and under 100" in width..	U.S.A.	923	1	30.3	24,912	248	67.2
	England	...	...	...	37	...	.7
Over 100" in width	U.S.A.	743	...	...	5,708	...	36.0
Flanged, dished or curved	U.S.A.	197	...	...	1,381	...	4.0
Boiler, pulp digesters, etc.	U.S.A.	192	...	...	3,675	1	27.5
	England	...	...	...	422	...	...
	Scotland	...	...	...	1	...	...
Chequered or surface pattern	U.S.A.	402	...	...	6,828	...	...
Painted, tar asphaltum	U.S.A.	...	...	...	33	...	...
Hot rolled for saws	U.S.A.	...	...	...	4	...	...
Galvanized	U.S.A.	...	...	...	146	...	...
Sheets -							
Silicon .075 or more	U.S.A.	...	1,658	...	...	17,763	...
Galvanized	U.S.A.	615	...	...	8,187	...	...
	England	...	...	...	172	...	...
	Belgium	...	...	...	11	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	3,523	...	...	44,087	117	...
	England	16	...	...	16	...	...
Lighter than 18 gauge	U.S.A.	824	...	...	5,008	2	...
	England	...	...	...	3	...	...
For hollow ware (vitreous enamel)	U.S.A.	232	...	...	3,890	...	...
Corrugated	U.S.A.	63	...	...	1,863	...	...
5¢ per pound and over	U.S.A.	153	...	...	498	38	...
	Sweden	...	...	...	3	...	...
Coated with paint, asphaltum, etc.	U.S.A.	43	...	...	1,389	...	...
Shaped for agricultural implements	U.S.A.	70	...	...	452	...	...
For saws	U.S.A.	52	3	...	634	879	...
	England	...	...	...	...	9	...
For cold rolled strip	U.S.A.	25	...	...	621	...	...
For tubes	U.S.A.	...	...	...	173	...	...
For tubular products	U.S.A.	...	...	...	42	...	...
Stainless	U.S.A.	...	...	13.6	...	...	315.2
	England	...	...	...	...	...	90.2
Cold rolled -							
18 gauge and heavier	U.S.A.	1,146	...	...	12,026	15	...
	England	...	...	...	20	...	...
Lighter than 18 gauge	U.S.A.	2,909	1	...	28,206	63	...
	England	...	...	...	370	...	...
For hollow ware (vitreous enamel)	U.S.A.	...	...	...	1,460	...	...
Black plate (tin mill)	U.S.A.	1,307	...	...	10,805	...	...
Coated with paint, tar, asphaltum, etc.	U.S.A.	36	...	...	210	...	...
5¢ per pound and over	U.S.A.	5	...	...	92	...	...
For saws	U.S.A.	51	37	...	148	68	...
	England	...	...	...	...	14	...
	Sweden	1	...	...	1	11	...
For heating apparatus	U.S.A.	...	...	...	240	...	...
For tubes	U.S.A.	...	...	...	4,179	...	...
For tubular products	U.S.A.	...	...	...	59	...	...
Buckles, ball bearings, clock springs, motor springs, butt hinges	U.S.A.	4	...	...	10	...	...
Silicon .075 or more	U.S.A.	...	...	...	...	212	...
Stainless	U.S.A.	...	...	58.2	...	...	1949.1
	England	...	...	...	...	...	17.2
Black plate - For tinning	U.S.A.	7,521	...	...	64,380	...	...

Imports of Primary Forms of Iron and Steel, December and Year to date, 1947 (Continued)

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets (Con.)							
Cold rolled -							
Tin plate--Primes	U.S.A.	5,140	...	...	50,665	...	...
	England	24	...	...	348	...	...
Waste waste	U.S.A.	...	...	...	495	...	...
Seconds	England	...	...	...	3	...	...
Electrolytic--Primes (25#) ..	U.S.A.	1,700	...	...	17,690	...	...
(50#) ..	U.S.A.	117	...	...	454	...	...
(75#) ..	U.S.A.	...	...	...	38	...	...
Waste waste ..	U.S.A.	...	...	...	231	...	...
Terne plate - Long	U.S.A.	418	...	...	3,414	...	...
Short	U.S.A.	629	...	...	4,613	...	...
Waste waste	U.S.A.	...	...	...	21	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	2,866	24	...	16,298	71	...
	England	...	...	...	58	...	...
Lighter than 18 gauge	U.S.A.	177	...	...	1,503	...	...
	Sweden	1	...	...	1	...	...
For cold rolling	U.S.A.	238	...	...	6,482	...	...
5¢ per pound and over	U.S.A.	69	...	...	108	...	...
Painted	U.S.A.	129	...	...	3,948	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	...	...	...	671	...	...
For saws	U.S.A.	8	5	...	217	390	...
For barrel hoops	U.S.A.	34	...	...	2,859	...	...
For motor vehicles	U.S.A.	138	20	...	8,802	74	...
Corrugated	Australia	...	...	...	1	...	...
For tubes	U.S.A.	...	...	...	63	...	...
For tubular products	U.S.A.	14	...	...	147	...	...
Silicon .075 or more	U.S.A.	...	66	...	...	1,605	...
Stainless	U.S.A.	...	...	9.8	...	...	50.8
	England	...	...	...	...	...	.4
Cold rolled -							
18 gauge and heavier	U.S.A.	437	...	...	4,951	36	...
	England	...	...	...	4	...	...
	Sweden	...	...	...	...	1	...
Lighter than 18 gauge	U.S.A.	701	...	...	6,970	5	...
	England	...	...	...	14	...	...
	Sweden	54	...	...	324	...	...
5¢ per pound and over	U.S.A.	178	...	...	178	...	...
For shoe, corset laces, etc.	U.S.A.	...	...	...	770	...	...
Painted	U.S.A.	33	...	...	451	...	...
For saws	Sweden	8	...	...	44	77	...
	U.S.A.	6	...	...	21	124	...
For motor vehicles	U.S.A.	...	...	...	2	...	...
For butt hinges	U.S.A.	...	...	...	88	...	...
For tubes	U.S.A.	...	...	...	926	...	...
For tubular products	U.S.A.	27	...	...	1,425	...	.1
Silicon .075 or more	U.S.A.	...	...	...	...	838	...
Stainless	U.S.A.	...	...	126.8	...	...	1,036.5
	England	...	...	...	...	...	4.3
Galvanized strip	U.S.A.	740	...	...	7,060	...	...
Skelp - Over 14" wide							
Not more than 14" in width	U.S.A.)	(See revised breakdown			1,170	...	...
Over 15 3/8" in width	U.S.A.)	commencing March, 1947)			11,558	...	...
15 3/8" and under	U.S.A.	82	...	...	1,656	...	...
	U.S.A.	3,264	...	...	47,109	...	...

Imports of Primary Forms of Iron and Steel, December and Year to Date, 1947 (Continued)

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and Tubes -							
Cast	U.S.A.	98	...	...	1,910	...	.1
	England	...	...	...	839	...	...
Bedstead	U.S.A.	...	...	...	492	...	...
Boiler and pulp mill digesters -							
Hot finished	U.S.A.	1,112	...	...	11,702	118	...
	England	4	1	...	10	1	...
Cold drawn	U.S.A.	18	...	...	2,196	16	6.2
	England	...	...	...	1	...	...
Cold drawn, seamless	U.S.A.	...	...	...	41	...	1.0
Welded	U.S.A.	30	...	...	773	...	...
Seamless, under 10½" dia. - Cold drawn ..	U.S.A.)	(See revised breakdown commencing March, 1947)			995	150	22.4
	England)				13	3	11.2
Hot finished. U.S.A.)	318				...	...
Seamless, more than 10½" diameter -)						
Hot finished. U.S.A.)					213	1	...
Seamless, 12" and under in diameter -							
Cold drawn ..	U.S.A.	1,054	14	1.9	6,625	278	143.5
	England	7	...	.4	62	5	21.1
Hot finished. U.S.A.		153	...	...	2,865	65	...
	England	...	...	...	28	...	...
Seamless, more than 12" in diameter -							
Hot finished. U.S.A.		...	...	...	708	2	5.3
Cold drawn ..	U.S.A.	31	...	...	32	...	...
Welded, more than 10½" diameter	U.S.A.)	(See revised breakdown commencing March, 1947)			166	...	...
	England)				205	...	...
Welded, under 10½" in diameter	U.S.A.)				1,127	1	1.6
Welded, 4" and under in diameter	U.S.A.	814	...	.1	4,460	33	22.9
	England	...	...	...	115	...	...
Welded, more than 4" in diameter	U.S.A.	679	3	...	3,684	3	.7
	England	43	...	...	332	...	...
Tubing -							
Not over ½" diameter, welded and coated..	U.S.A.	6	...	...	107	...	.2
Invasion	U.S.A.	...	...	...	1,093	...	...
Casing	U.S.A.	47	...	...	3,236	...	...
Fittings and couplings	U.S.A.	209	...	.5	1,955	...	7.9
Wire rope							
	U.S.A.	270	...	...	1,082	1	2.0
	England	...	...	...	166	...	2.5
Wire -							
For wire rope	U.S.A.	1,385	...	...	16,657	...	5.2
	England	15	...	...	540	...	...
	Scotland	...	...	...	34	...	...
For corset laces, steels, etc.	U.S.A.	1	...	...	158	...	...
	England	1	...	...	2	...	...
For spring mattress, etc.	U.S.A.	139	...	...	1,367	...	...
For fencing, galvanized	U.S.A.	53	...	...	916	...	...
Wire cloth and netting	U.S.A.	20	...	...	1,002	...	.7
	England	3	...	...	260	...	...
Wire, coated	U.S.A.	127	...	...	915	...	...
Wire - All other	U.S.A.	1,364	...	...	7,202	2	25.5
	England	2	...	...	86	...	...
Wire rods, not over 3/8" in diameter	U.S.A.	...	...	...	822	...	...
Welding rods and welding wire	U.S.A.	122	...	2.0	1,256	133	49.0
	England	...	...	...	...	...	.3

Imports of Primary Forms of Iron and Steel, December and Year to Date, 1947 (Concluded)

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Castings -							
For agricultural implements	U.S.A.	29	...	...	1,228	...	...
For ingot moulds	U.S.A.	1,901	...	...	28,355	...	...
Malleable	U.S.A.	80	...	...	717	...	...
Non-malleable	U.S.A.	90	...	..	1,590	3	...
	England	...	...	...	26	...	...
Steel	U.S.A.	29	...	...	795	172	1.1
	England	...	...	...	...	8	...
Rolls	U.S.A.	137	81	...	1,064	728	...
	England	...	...	...	1	...	...
For railway vehicles	U.S.A.	...	...	...	478	...	...
Semi-finished piston	U.S.A.	...	...	...	532	...	...
Piston rings	U.S.A.	...	...	...	1	...	...
Forgings	U.S.A.	628	15	...	1,724	208	.1
	England	...	...	3.2	33	166	3.2
Wheels -							
For railway rolling stock	U.S.A.	91	...	...	1,355	...	...
	England	...	...	...	447	...	...
Pressed	U.S.A.	...	...	...	396	...	...
Tires -							
For railway rolling stock	U.S.A.	4	...	...	3,620	1	...
	England	37	...	...	1,520	68	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	64	...	...
For all other vehicles	U.S.A.	20	...	...	386	...	...
Rails -							
60 pounds and under	U.S.A.	6	...	...	588	...	...
Over 60 pounds and under 100 pounds	U.S.A.	443	...	...	2,088	...	...
Over 100 pounds	U.S.A.	88	...	...	203	...	...
Grooved for electric tramways	U.S.A.	...	...	...	1,129	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	6	...	...	1,095	...	...
Intersections, switches, frogs	U.S.A.	7	...	...	88	...	...

41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-10-3-48

Price -
10 cents

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PRIMARY IRON AND STEEL IN CANADA - JANUARY, 1948

Part. 1 (x)

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 231,329 net tons in January, 1948 compared with 178,273 net tons in December, 1947. The January, 1948 total included 6,667 tons of semi-finished shapes; 16,612 tons of structurals; 14,059 tons of plates; 42,885 tons of rails; 51,466 tons of hot rolled bars; 11,506 tons of pipes and tubes; 14,587 tons of wire rods; 23,909 tons of black sheets; 7,828 tons of galvanized sheets; 8,951 tons of castings, and 32,859 tons of other shapes. The amount of producers' interchange was 77,283 tons in January, 1948 and 84,376 tons in December, 1947.

Of the amount shipped for sale during January, 45,144 tons went direct to railways and railway car shops; 13,064 tons to pressing, forming and stamping plants; 17,853 tons to merchant trade products; 23,628 tons to building construction; 18,141 tons to the containers industry; 10,132 tons to agricultural equipment; 13,392 tons to the automotive industry; 12,135 tons to machinery plant; 3,150 tons to shipbuilding; 7,347 tons to mining, lumber, etc.. and 2,757 tons to miscellaneous industries. Wholesalers and warehousing accounted for 31,309 tons and exports for 33,277 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 77,283 tons in January, 1948.

Table 1 - Production of Pig Iron in Canada, January, 1948

	January
	(Tons of 2,000 pounds)
Basic	134,110
Foundry	19,517
Malleable	6,415
Total	160,042

Table 2 - Production of Steel Ingots and Castings in Canada, January, 1948

		January	
		Carbon	Alloy
		(Tons of 2,000 pounds)	
Steel ingots	- Open hearth	202,961	9,083
	Electric	30,250	5,473
	Total Ingots	233,211	14,556
Steel castings	-	7,733	1,613
	Total Ingots and Castings	240,944	16,169

(x) see explanatory note on page 3.

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, January, 1948

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	8,678	6,213	2,987
Other semi-finished shapes, not for re-rolling by makers	28,404	76	31,167
Structural shapes and piling	16,946	16,612	...
Plates	14,645	14,059	...
Rails	27,325	42,885	...
Tie plates and track material -			
Splice bars	1,466	1,721	...
Tie plates	6,224	6,205	...
Spikes	1,268	1,304	...
Concrete reinforcing bars	6,759	7,233	...
Hot rolled bars for cold finishing	960	...	1,205
Other hot rolled bars	46,825	35,916	9,719
Pipes and tubes	14,197	11,506	...
Wire rods	22,975	14,587	7,432
Hot rolled black sheets	25,511	19,592	7,647
Cold reduced black sheets	4,317	4,317	...
Galvanized sheets	7,842	7,828	280
Steel castings - Made by ingot makers	2,235	2,154	...
Made in other foundries	5,498	5,268	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	37,809	23,247	16,542
Total - Carbon Steel	279,884	220,723	76,979
<u>Alloy Steel</u>			
Billets, etc., for forging	279	378	...
Other semi-finished shapes, not for re-rolling by makers	304	...	304
Structural shapes and piling .....	...	...	...
Plates	36	...	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	8,291	8,317	...
Pipes and tubes .....	...	...	...
Wire rods .....	...	...	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings - Made by ingot makers	160	129	...
Made in other foundries	1,453	1,400	...
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	433	382	...
Total - Alloy Steel	10,956	10,606	304

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, January, 1948

Industry	J a n u a r y	
	Carbon Steel	Alloy Steel
Automotive industries	7,602	5,790
Agricultural, including farm machinery	9,812	320
Building construction	23,601	27
Containers industry	18,135	6
Machinery and tools	11,464	671
Merchant trade products	17,773	80
Mining, lumbering, etc.	6,645	702
National defence	3	5
Pressing, forming and stamping	12,988	76
Public works and utilities	1,013	90
Railway operating	27,611	127
Railway cars and locomotives	17,264	142
Shipbuilding	3,132	18
Miscellaneous and unclassified	1,536	110
Wholesalers and warehouses	31,207	102
Direct export (a) to British Empire	1,892	132
(b) to Other Countries	29,045	2,208
Total Shipped for Sale	220,723	10,606
Producers' interchange	76,979	304

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up.

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

Dominion Statistician:	Herbert Marshall
Director - Division of Census of Industry and Merchandising:	W. H. Losee
Chief - Mining, Metallurgical and Chemical Statistics:	H. McLeod

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - JANUARY, 1948

(Part II)

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up. The statement on production and shipments in January, 1948, was released on March 10, 1948.

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, JANUARY, 1948.

Commodity	Country of Origin	J A N U A R Y		
		Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)		
Pig Iron -				
Basic	United States	649	...	...
Ingots	United States	1,540	...	...
Billets, blooms, slabs and sheet bars	United States	3	1	...
Tube rounds and tube billets (O.H.)	United States	968	...	...
Bars and Sections -				
Hot rolled, n.o.p.	United States	5,395	37	2.8
	United Kingdom	50	...	...
Hot rolled -				
For agricultural implements	United States	2,941	550	...
Rounds over 4 7/8", squares over 4"	United States	43	6	...
Angles, channels, etc.	United States	1,261	...	2.7
Structurals (bar sizes) for agricultural implements	United States	256	...	...
Sash or casement sections	United States	192	...	...
Bars - Cold rolled, n.o.p.	United States	659	11	1.1
Cold rolled, for agricultural implements	United States	652	2	...
Bars - Tool steel	United States	80	48	...
	United Kingdom	21	12	...
	Sweden	6	...	...
Structurals	United States	15,751	...	.3
	United Kingdom	259	...	...

Note: "n.o.p." means "not otherwise provided for".

Imports of Primary Forms of Iron and Steel, January, 1948 (Continued)

Commodity	Country of Origin	J A N U A R Y		
		Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)		
Plates -				
78" and under in width	United States	3,564	5	46.1
	United Kingdom	255	...	...
Over 78" and under 100" in width	United States	1,465	...	...
Over 100" in width	United States	733	...	.7
Flanged, dished or curved	United States	105	...	.6
Boiler, pulp digesters, etc.	United States	302	...	...
Chequered or surface pattern	United States	619	...	...
Sheets -				
Silicon .075 or more	United States	...	2,218	...
Galvanized	United States	711	...	...
Hot rolled -				
18 gauge and heavier	United States	3,637	...	13.3
Lighter than 18 gauge	United States	278	...	15.8
For hollow ware (vitreous enamel)	United States	378	...	...
.05% per pound and over	United States	5	...	...
Coated with paint, tar, asphaltum, etc..	United States	213	...	...
Corrugated	United States	169	...	...
For saws	United States	43	3	...
For cold rolled strip	United States	83	...	...
Cold rolled -				
18 gauge and heavier	United States	1,161	1	67.9
Lighter than 18 gauge	United States	2,505	18	96.3
	United Kingdom	14	...	...
For hollow ware (vitreous enamel)	United States	132	...	...
Black plate (tin mill)	United States	907	...	...
Coated with paint, tar, asphaltum, etc..	United States	59	...	...
For heating apparatus	United States	21	...	...
For saws	United States	30	1	...
For tubes	United States	257	...	...
Black plate - For tinning	United States	1,291	...	...
Tin plate - Primes	United States	1,978	...	...
	United Kingdom	10	...	...
Electrolytic (25#)	United States	1,548	...	...
Terne plate - Long	United States	351	...	...
Short	United States	196	...	...
Strip -				
Hot rolled -				
18 gauge and heavier	United States	1,840	...	1.6
Lighter than 18 gauge	United States	171	...	...
For cold rolling	United States	301	...	...
For barrel hoops	United States	214	...	...
Painted	United States	305	...	...
For saws	United States	10	4	...
	Sweden	7	...	...
For motor vehicles	United States	1,075	...	...
Silicon .075 or more	United States	19	...	...
Cold rolled -				
18 gauge and heavier	United States	226	...	30.4
Lighter than 18 gauge	United States	569	...	66.9
	Sweden	14	...	...
Painted	United States	17	...	...
For saws	United States	20	3	...
	Sweden	...	2	...
For tubes	United States	123	...	...
For tubular products	United States	58	...	...
For butt hinges	United States	9	...	...
Galvanized strip	United States	1,123	...	...

Imports of Primary Forms of Iron and Steel, January, 1948 (Continued)

Commodity	Country of Origin	J A N U A R Y		
		Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)		
Skelp -				
Over 15 3/8" in width	United States	554	...	...
15 3/8" and under	United States	5,386	...	...
Pipes and Tubes -				
Cast	United States	255	...	...
Boiler and pulp mill digesters -				
Hot finished	United States	1,185	...	...
Cold drawn	United States	120	2	...
Welded	United States	105	...	...
Seamless, 12" and under in diameter -				
Cold drawn	United States	1,522	7	10.5
	United Kingdom	4	...	...
	Sweden	...	...	.6
Hot finished	United States	97	...	...
Seamless, 12" and over in diameter -				
Cold drawn	United States	105	...	...
Hot finished	United States	1	...	...
Welded, 4" and under in diameter	United States	751	...	2.9
Welded, more than 4" in diameter	United States	282	...	...
Tubing -				
Not over 1/2" diameter, welded and coated.	United States	35	...	1.0
Casing	United States	57	...	...
Fittings and couplings	United States	246	...	.8
Wire rope				
	United States	25	...	...
	United Kingdom	29	...	...
Wire -				
For wire rope	United States	1,576	...	...
	United Kingdom	65	...	...
For corset laces, steels, etc.	United States	3	...	...
For spring mattress, etc.	United States	40	...	...
Wire cloth and netting	United States	35	...	...
	United Kingdom	9	...	...
Wire, coated	United States	23	...	...
Wire - All other	United States	933	...	.3
Wire rods, not over 3/8" in diameter	United States	198	...	...
Welding rods and welding wire	United States	178	...	2.2
Castings -				
For agricultural implements	United States	61	...	...
For ingot moulds	United States	2,241	...	...
Malleable	United States	64	...	...
Non-malleable	United States	116	...	...
Steel	United States	85	...	.1
For railway vehicles	United States	21	...	...
Rolls	United States	316	13	...
Forgings				
	United States	153	8	...
Axles -				
For railway vehicles	United States	45	...	...
For all other vehicles	United States	1	...	...

Imports of Primary Forms of Iron and Steel, January, 1948 (Concluded)

Commodity	Country of Origin	J A N U A R Y		
		Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)		
Wheels -				
For railway rolling stock	United States	78	...	...
	United Kingdom	118	...	...
Tires -				
For railway rolling stock	United States	864	...	...
	United Kingdom	369	...	...
Rails -				
60 pounds and under	United States	27	...	...
Over 60 pounds and under 100 pounds	United States	115	...	...
Over 100 pounds	United States	7	...	...
Grooved for electric tramways	United States	888	...	...
Track material -				
Angle bars, tie plates, rail joints	United States	100	...	...
Intersections, switches, frogs	United States	3	...	...

41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-19-4-48

Price -
10 centsDepartment of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - CanadaDominion Statistician:
Director - Division of Census of Industry and Merchandising:
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H. McLeodMonthly Report

on

PRIMARY IRON AND STEEL IN CANADA - FEBRUARY, 1948

Part. 1 (x)

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 203,779 net tons in February, 1948 compared with 231,329 net tons in January, 1948. The February, 1948 total included 5,202 tons of semi-finished shapes, 14,093 tons of structurals, 17,445 tons of plates, 19,123 tons of rails, 7,976 tons of tie plates and track material, 50,002 tons of hot rolled bars, 12,112 tons of pipes and tubes, 15,713 tons of wire rods, 22,834 tons of black sheets, 7,808 tons of galvanized sheets, 9,612 tons of castings, 4,395 tons of miscellaneous hot rolled products, and 17,464 tons of all other products. The amount of producers' interchange was 72,414 tons in February, 1948 and 77,283 tons in January, 1948.

Of the amount shipped for sale during February, 48,679 tons went direct to railways and railway car shops; 13,465 tons to pressing, forming and stamping plants; 18,253 tons to merchant trade products; 24,801 tons to building construction; 16,932 tons to the containers industry; 13,594 tons to agricultural equipment; 10,140 tons to the automotive industry; 13,145 tons to machinery plant; 2,990 tons to shipbuilding; 5,722 tons to mining, lumber, etc. and 2,421 tons to miscellaneous industries. Wholesalers and warehousing accounted for 26,903 tons and exports for 6,734 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 72,414 tons in February, 1948.

Table 1 - Production of Pig Iron in Canada, February, and Year to Date, 1948.

	February (Tons of 2,000 pounds)	Year to Date
Basic	123,324	257,434
Foundry	15,117	34,634
Malleable	12,682	19,097
Total	151,123	311,165

Table 2 - Production of Steel Ingots and Castings in Canada, February, and Year to Date, 1948

		February		Year to Date	
		Carbon	Alloy	Carbon	Alloy
		(Tons of 2,000 pounds)			
Steel ingots	- Open hearth	187,154	7,654	390,015	16,737
	Electric	29,941	5,534	60,191	11,007
	Total ingots	216,995	13,188	450,206	27,744
Steel castings		8,159	1,436	15,892	3,049
Total Ingots and Castings		225,154	14,624	466,098	30,793

(x) see explanatory note on page 4.

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, February, 1948

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	6,721	2,878	2,036
Other semi-finished shapes, not for re-rolling by makers	30,479	99	30,314
Structural shapes and piling	14,942	14,093	...
Plates	17,875	17,372	...
Rails	19,451	19,123	...
Tie plates and track material -			
Splice bars	5,005	3,800	...
Tie plates	3,212	3,058	...
Spikes	1,184	1,118	...
Concrete reinforcing bars	4,949	5,091	...
Hot rolled bars for cold finishing	1,465	...	1,109
Other hot rolled bars	45,627	37,271	10,369
Pipes and tubes	12,931	12,112	...
Wire rods	19,134	15,597	3,887
Hot rolled black sheets	27,776	19,190	7,488
Cold reduced black sheets	3,644	3,644	...
Galvanized sheets	8,380	7,808	17
Steel castings	8,159	8,202	...
Miscellaneous hot rolled products	21,139	4,074	16,985
All other products	16,424	17,100	...
Total - Carbon Steel	268,497	191,630	72,205
<u>Alloy Steel</u>			
Billets, etc., for forging	2,328	2,225	...
Other semi-finished shapes, not for re-rolling by makers	209	...	209
Structural shapes and piling .....	...	...	...
Plates	88	73	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,695	7,640	...
Pipes and tubes .....	...	...	...
Wire rods	90	116	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,436	1,410	...
Miscellaneous hot rolled products	406	321	...
All other products	303	364	...
Total - Alloy Steel	12,555	12,149	209

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Two Months Ended February

	February	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
		(Tons of 2,000 pounds)		
<u>Carbon Steel</u>				
Billets, etc., for forging	15,399	9,091	5,023	
Other semi-finished shapes, not for re-rolling by makers	58,883	175	61,481	
Structural shapes and piling	31,888	30,705	...	
Plates	32,520	31,431	...	
Rails	46,776	62,008	...	
Tie plates and track material -				
Splice bars	6,471	5,521	...	
Tie plates	9,436	9,263	...	
Spikes	2,452	2,422	...	
Concrete reinforcing bars	11,708	12,324	...	
Hot rolled bars for cold finishing	2,425	...	2,314	
Other hot rolled bars	92,350	73,057	20,088	
Pipes and tubes	27,128	23,618	...	
Wire rods	42,139	30,184	11,319	
Hot rolled black sheets	53,287	38,782	15,135	
Cold reduced black sheets	7,961	7,961	...	
Galvanized sheets	16,222	15,636	297	
Steel castings	15,892	15,624	...	
Miscellaneous hot rolled products	42,377	8,646	33,527	
All other products	33,097	35,905	...	
Total - Carbon Steel	548,381	412,353	149,184	
<u>Alloy Steel</u>				
Billets, etc., for forging	2,607	2,603	...	
Other semi-finished shapes, not for re-rolling by makers	513	...	513	
Structural shapes and piling .....	...	...	...
Plates	124	73	...	
Rails .....	...	...	...
Tie plates and track material -				
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other cold rolled bars	15,752	15,661	...	
Pipes and tubes .....	...	...	...
Wire rods	90	116	...	
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	3,049	2,939	...	
Miscellaneous hot rolled products	640	617	...	
All other products	736	746	...	
Total-Alloy Steel	23,511	22,755	513	

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, February and Year To Date, 1948

Industry	February		Year To Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	6,011	4,129	13,613	9,919
Agricultural, including farm machinery	13,284	310	23,096	630
Building construction	24,742	59	48,343	86
Containers industry	16,930	2	35,065	8
Machinery and tools	12,365	780	23,829	1,451
Merchant trade products	18,104	149	35,877	229
Mining, lumbering, etc.	4,982	740	11,627	1,442
National defence	11	3	14	8
Pressing, forming and stamping	13,402	63	26,390	139
Public works and utilities	918	50	1,931	140
Railway operating	30,493	245	58,104	372
Railway cars and locomotives	17,743	198	35,007	340
Shipbuilding	2,962	28	6,094	46
Miscellaneous and unclassified	1,329	110	2,865	220
Wholesalers and warehouses	26,632	271	57,839	373
Direct export (a) to British Empire	1,139	1,880	3,031	2,012
(b) to Other Countries	583	3,132	29,628	5,340
Total Shipped for Sale	191,630	12,149	412,353	22,755
Producers' interchange	72,205	209	149,184	513

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up.

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MC28-7-5-48

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on

PRIMARY IRON AND STEEL IN CANADA - FEBRUARY, 1948

(Part II)

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up. The statement on production and shipments in February, 1948 was released on April 17, 1948.

IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, FEBRUARY AND YEAR TO DATE, 1948

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	...	...	...	649	...	...
Foundry	United States	604	...	...	604	...	...
Ingots	United States	1,481	...	...	3,021	...	...
Billets, blooms, slabs and sheet bars	United States	4	...	...	7	1	...
Tube rounds and tube billets	United States	591	...	...	1,559	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	3,967	182	9.4	9,362	219	12.2
	United Kingdom	...	...	1.4	50	...	1.4
Hot rolled -							
For agricultural implements ..	United States	1,174	644	...	4,115	1,194	...
Rounds over 4 7/8", squares over 4"	United States	164	11	...	207	17	...
Angles, channels, etc.	United States	739	...	4.8	2,000	...	7.5
Structurals (bar sizes) for agricultural implements	United States	840	24	...	1,096	24	...
Sash or casement sections	United States	228	...	...	420	...	...
	United Kingdom	31	...	...	31	...	...
	Belgium	11	...	...	11	...	...
Cold rolled, n.o.p.	United States	466	41	2.6	1,125	52	3.7
Cold rolled, for agricultural implements	United States	897	...	...	1,549	2	...
Tool steel	United States	5	31	...	85	79	...
	United Kingdom	13	19	...	34	31	...
	Sweden	...	...	...	6	...	...
Structurals	United States	13,670	...	1.4	29,421	...	1.7
	United Kingdom	...	...	...	259	...	...

Note: "n.o.p." means "not otherwise provided for".

Imports of Primary Forms of Iron and Steel, February and Year to Date, 1948 (Continued)

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates -							
78" and under in width	United States	2,462	7	15.7	6,026	12	61.8
	United Kingdom	...	...	...	255	...	...
Over 78" and under 100" in width	United States	1,731	...	.5	3,196	...	.5
Over 100" in width	United States	510	...	...	1,243	...	.7
Flanged, dished or curved	United States	6	...	...	111	...	.6
Boiler, pulp-mill digesters	United States	450	...	...	752	...	...
Chequered or surface pattern ...	United States	646	...	...	1,265	...	...
Sheets -							
Silicon .075 or more	United States	...	1,373	...	...	3,591	...
Galvanized	United States	634	...	...	1,345	...	...
Hot rolled -							
18 gauge and heavier	United States	2,925	1	11.2	6,562	1	24.5
	United Kingdom	...	...	1.0	...	...	1.0
Lighter than 18 gauge	United States	130	...	15.5	408	...	31.3
For hollow ware (vitreous enamel)	United States	245	...	...	623	...	...
.05% per pound and over	United States	6	...	...	11	...	...
Corrugated	United States	200	...	...	369	...	...
Coated with paint, tar, asphaltum, etc.	United States	78	...	...	291	...	...
For saws	United States	12	70	...	55	73	...
For cold rolled strip	United States	64	...	...	147	...	...
Shaped for agricultural imple- ments	United States	68	...	...	68	...	...
Cold rolled -							
18 gauge and heavier	United States	704	...	64.7	1,865	1	132.6
	United Kingdom	7	...	...	7	...	...
Lighter than 18 gauge	United States	1,996	...	60.0	4,501	18	156.3
	United Kingdom	51	...	...	65	...	...
For hollow ware (vitreous enamel)	United States	69	...	...	201	...	...
Black plate (tin mill)	United States	1,330	...	...	2,237	...	...
Coated with paint, tar, asphaltum, etc.	United States	127	...	...	186	...	...
For heating apparatus	United States	9	...	...	30	...	...
For saws	United States	...	2	...	30	3	...
	Sweden	...	2	...	...	2	...
For tubes	United States	567)	...	...	1,408	...	...
For tubes (January adjustment)	United States	584)	...	...	...	...	...
For tubular products	United States	68	...	...	68	...	...
Black plate - For tinning	United States	2,973	...	...	4,264	...	...
Tin plate - Primes	United States	1,894	...	...	3,872	...	...
	United Kingdom	84	...	...	94	...	...
Electrolytic (25#) ..	United States	1,875	...	...	3,423	...	...
Terne plate - Long	United States	446	...	...	797	...	...
Short	United States	...	...	...	196	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,071	5	3.1	2,911	5	4.7
Lighter than 18 gauge	United States	124	...	...	295	...	...
For cold rolling	United States	375	...	...	676	...	...
For barrel hoops	United States	217	...	...	431	...	...
Painted	United States	640	...	...	945	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	21	...	...	21	...	...
For saws	United States	28	26	...	38	30	...
	Sweden	...	...	...	7	...	...
For motor vehicles	United States	584	...	...	1,659	...	...

Imports of Primary Forms of Iron and Steel, February and Year to Date, 1948 (Continued)

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip - (Concluded)							
Hot rolled -							
For tubes	United States	56	...	...	56	...	...
For tubular products	United States	11	...	...	11	...	...
Silicon .075 or more	United States	...	48	...	19	48	...
Cold rolled -							
18 gauge and heavier	United States	212	13	15.1	438	13	45.5
Lighter than 18 gauge	United States	387	...	58.8	956	...	125.7
	Sweden	89	...	...	103	...	...
Painted	United States	36	...	...	53	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	37	...	...	37	...	...
For saws	United States	...	9	...	20	12	...
	Sweden	...	2	...	...	4	...
For tubes	United States	21	...	...	144	...	...
For tubular products	United States	47	...	...	105	...	...
For butt hinges	United States	13	...	...	22	...	...
Silicon .075 or more	United States	...	97	...	...	97	...
Galvanized strip	United States	589	...	...	1,712	...	...
Skelp -							
Over 15 $\frac{3}{8}$ " in width	United States	574	...	...	1,128	...	...
15 $\frac{3}{8}$ " and under	United States	3,741	...	...	9,127	...	...
Pipes and Tubes -							
Cast	United States	82	...	...	337	...	...
	United Kingdom	179	...	...	179	...	...
Bedstead	United States	26	...	...	26	...	...
Boiler and pulp-mill digesters -							
Hot finished	United States	749	7	...	1,934	7	...
Cold drawn	United States	87	...	1.4	207	2	1.4
Welded	United States	89	...	...	194	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	613	24	18.1	2,135	31	28.6
	United Kingdom	1	...	2.8	5	...	2.8
	Sweden	...	...	...	...	...	.6
Hot finished	United States	236	1	...	333	1	...
	United Kingdom	5	...	...	5	...	...
Seamless, more than 12" in diameter - Cold drawn	United States	...	...	1.9	105	...	1.9
Hot finished	United States	56	...	...	57	...	...
Welded, 4" and under in diameter	United States	703	...	7.0	1,454	...	9.9
	United Kingdom	149	...	...	149	...	...
Welded, over 4" in diameter	United States	127	...	11.0	409	...	11.0
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	9	...	...	44	...	1.0
Casings	United States	358	...	...	415	...	...
Fittings and couplings	United States	186	...	.4	432	...	1.2
Wire rope	United States	17	...	.3	42	...	.3
	United Kingdom	13	...	...	42	...	...
Wire -							
For wire rope	United States	1,628	...	...	3,204	...	...
	United Kingdom	...	...	...	65	...	...
For corset laces, steels, etc...	United States	13	...	...	16	...	...
For spring mattress, etc.	United States	21	...	...	61	...	...
For fencing, galvanized	United States	81	...	...	81	...	...
Wire cloth and netting	United States	207	...	...	242	...	...
	United Kingdom	...	...	...	9	...	...

Primary

- 4 -

Imports of Primary Forms of Iron and Steel, February and Year to Date, 1948 (Concluded)

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire, coated	United States	86	...	...	109	...	...
Wire - All other	United States	316	...	1.6	1,249	...	1.9
Wire rods, not over $\frac{3}{8}$ " in diameter.	United States	132	...	...	330	...	...
Welding rods and welding wire	United States	177	26	4.8	355	26	7.0
Castings -							
For agricultural implements	United States	60	...	...	121	...	...
For ingot moulds	United States	2,120	...	...	4,361	...	...
Malleable	United States	37	...	...	101	...	...
Non-malleable	United States	93	...	...	209	...	...
Steel	United States	75	7	...	160	7	.1
For railway vehicles	United States	53	...	...	74	...	...
Rolls	United States	144	118	...	460	131	...
Piston rings (rough)	United States	43	...	...	43	...	...
Forgings	United States	39	35	...	192	43	...
Axles -							
For railway vehicles	United States	20	...	...	65	...	...
For all other vehicles	United States	...	...	...	1	...	...
Wheels -							
For railway rolling stock	United States	30	...	...	108	...	...
	United Kingdom	44	...	...	162	...	...
Tires -							
For railway rolling stock	United States	179	...	...	1,043	...	...
	United Kingdom	153	38	...	522	38	...
Rails -							
60 pounds and under	United States	19	...	...	46	...	...
Over 60 pounds and including							
100 pounds	United States	8	...	...	123	...	...
Over 100 pounds	United States	...	...	...	7	...	...
Grooved for electric tramways ..	United States	591	...	...	1,479	...	...
Track material -							
Angle bars, tie plates, rail							
joints	United States	8	108
Intersections, switches, frogs .	United States	4	7

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41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-21-5-48
Price -
10 cents

Department of Trade and Commerce
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Dominion Statistician:
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Chief - Mining, Metallurgical and Chemical Statistics:

Herbert Marshall
W. H. Losee
H. McLeod

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - MARCH, 1948

Part. 1 (x)

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 226,748 net tons in March, 1948 compared with 203,779 net tons in February, 1948. The March, 1948 total included 10,323 tons of semi-finished shapes, 14,895 tons of structurals, 18,645 tons of plates, 25,350 tons of rails, 10,191 tons of tie plates and track material, 50,018 tons of hot rolled bars, 13,152 tons of pipes and tubes, 20,251 tons of wire rods, 23,224 tons of black sheets, 7,955 tons of galvanized sheets, 10,274 tons of castings, 4,796 tons of miscellaneous hot rolled products, and 17,674 tons of all other products. The amount of producers' interchange was 77,821 tons in March, 1948 and 72,414 tons in February, 1948.

Of the amount shipped for sale during March, 57,883 tons went direct to railways and railway car shops; 14,076 tons to pressing, forming and stamping plants; 25,513 tons to merchant trade products; 25,287 tons to building construction; 17,948 tons to the containers industry; 8,348 tons to agricultural equipment; 12,920 tons to the automotive industry; 10,925 tons to machinery plant; 5,093 tons to shipbuilding; 6,417 tons to mining, lumber, etc. and 2,622 tons to miscellaneous industries. Wholesalers and warehousing accounted for 29,507 tons and exports for 10,209 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 77,821 tons in March, 1948.

Table 1 - Production of Pig Iron in Canada, March, and Year to Date, 1948.

	March	Year to Date
	(Tons of 2,000 pounds)	
Basic	141,939	399,373
Foundry	17,576	52,210
Malleable	13,160	32,257
Total	172,675	483,840

Table 2 - Production of Steel Ingots and Castings in Canada, March, and Year to Date, 1948

		March		Year to Date	
		Carbon	Alloy	Carbon	Alloy
		(Tons of 2,000 pounds)			
Steel ingots	- Open hearth	228,198	8,848	618,213	25,585
	Electric	33,587	4,716	93,778	15,723
	Total Ingots	261,785	13,564	711,991	41,308
Steel castings		8,650	1,898	24,542	4,947
Total Ingots and Castings		270,435	15,462	736,533	46,255

(x) see explanatory note on page 4.

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, March, 1948

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	7,427	6,019	3,592
Other semi-finished shapes, not for re-rolling by makers	36,155	78	30,072
Structural shapes and piling	14,778	14,895	...
Plates	17,790	18,265	...
Rails	24,437	25,350	...
Tie plates and track material -			
Splice bars	2,932	3,519	...
Tie plates	5,550	5,402	...
Spikes	1,332	1,270	...
Concrete reinforcing bars	5,310	5,344	...
Hot rolled bars for cold finishing	1,010	...	1,429
Other hot rolled bars	41,832	34,994	9,723
Pipes and tubes	14,500	13,152	...
Wire rods	27,501	20,158	6,750
Hot rolled black sheets	22,796	19,643	6,629
Cold reduced black sheets	3,918	3,581	337
Galvanized sheets	8,183	7,955	...
Steel castings	8,650	8,567	...
Miscellaneous hot rolled products	23,795	4,475	18,671
All other products	17,557	17,439	...
Total - Carbon Steel	285,453	210,106	77,203
<u>Alloy Steel</u>			
Billets, etc., for forging	4,425	4,226	...
Other semi-finished shapes, not for re-rolling by makers	618	...	618
Structural shapes and piling .....	...	...	...
Plates	555	380	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	9,437	9,680	...
Pipes and tubes .....	...	...	...
Wire rods	32	93	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,898	1,707	...
Miscellaneous hot rolled products	238	321	...
All other products	246	235	...
Total - Alloy Steel	17,449	16,642	618

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Three Months Ended March, 1948

	Production (Including producers' interchange (Tons of 2,000 pounds)	Shipments For sale Producers' interchange	
<u>Carbon Steel</u>			
Billets, etc., for forging	22,826	15,110	8,615
Other semi-finished shapes, not for re-rolling by makers	95,038	253	91,553
Structural shapes and piling	46,666	45,600	...
Plates	50,310	49,696	...
Rails	71,213	87,358	...
Tie plates and track material -			
Splice bars	9,403	9,040	...
Tie plates	14,986	14,665	...
Spikes	3,784	3,692	...
Concrete reinforcing bars	17,018	17,668	...
Hot rolled bars for cold finishing	3,435	...	3,743
Other hot rolled bars	134,182	108,051	29,811
Pipes and tubes	41,628	36,770	...
Wire rods	69,610	50,342	18,069
Hot rolled black sheets	76,083	58,425	21,764
Cold reduced black sheets	11,879	11,542	337
Galvanized sheets	24,405	23,591	297
Steel castings	24,542	24,191	...
Miscellaneous hot rolled products	66,172	13,121	52,198
All other products	50,654	53,344	...
Total - Carbon Steel	833,834	622,459	226,387
<u>Alloy Steel</u>			
Billets, etc., for forging	7,032	6,829	...
Other semi-finished shapes, not for re-rolling by makers	1,131	...	1,131
Structural shapes and piling .....	...	...	...
Plates	679	453	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other cold rolled bars	25,189	25,341	...
Pipes and tubes .....	...	...	...
Wire rods	122	209	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	4,947	4,646	...
Miscellaneous hot rolled products	878	938	...
All other products	982	981	...
Total - Alloy Steel	40,960	39,397	1,131

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, March and Year To Date, 1948

	March		Year To Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Automotive industries	6,365	6,555	19,978	16,474
Agricultural, including farm machinery	7,927	421	31,023	1,051
Building construction	25,124	163	73,467	249
Containers industry	17,947	1	53,012	9
Machinery and tools	10,177	748	34,006	2,199
Merchant trade products	25,346	167	61,223	396
Mining, lumbering, etc.	5,731	686	17,358	2,128
National defence	98	1	112	9
Pressing, forming and stamping	13,970	106	40,360	245
Public works and utilities	1,368	53	3,299	193
Railway operating	38,779	275	96,883	647
Railway cars and locomotives	18,221	608	53,228	948
Shipbuilding	5,079	14	11,173	60
Miscellaneous and unclassified	957	145	3,822	365
Wholesalers and warehouses	28,972	535	86,811	908
Direct export (a) to British Empire	2,837	2,460	5,868	4,472
(b) to Other Countries	1,208	3,704	30,836	9,044
Total Shipped for Sale	210,106	16,642	622,459	39,397
Producers' interchange	77,203	618	266,387	1,131

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow about three weeks later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up.

Department of Trade and Commerce
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Ottawa - Canada

Dominion Statistician:	Herbert Marshall
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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - MARCH, 1948

(Part II)

Note: Because there is at present an unavoidable delay in compiling the statistics of imports into Canada, it has been decided to issue this monthly report in two sections for a few months. The first section on "Production and Shipments" will be released as soon as possible after the end of each month and the second section on "Imports" will follow later as a separate report. This is a temporary arrangement and the two sections will be combined again when the situation with regards to imports has been cleared up. The statement on production and shipments in March, 1948 was released on May 13, 1948.

Imports of Primary Forms of Iron and Steel, March, and Year to Date, 1948.

Commodity	Country of Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	...	...	...	649	...	...
Foundry	United States	86	...	...	690	...	...
Silvery	United States	28	...	...	28	...	...
Ingot	United States	2,581	...	...	5,602	...	...
Billets, blooms, slabs and sheet bars	United States	...	5	...	7	6	...
Tube rounds and tube billets	United States	...	...	...	1,559	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	4,389	158	6.7	13,751	377	18.9
	United Kingdom	2	...	4.3	52	...	5.7
Hot rolled -							
For agricultural implements ...	United States	1,324	121	...	5,439	1,315	...
Rounds over 4 7/8", squares over 4"	United States	48	26	...	255	43	...
Angles, channels, etc.	United States	744	...	1.3	2,744	...	8.8
Structurals (bar sizes) for agricultural implements	United States	1,653	76	...	2,749	100	...
Sash or casement sections	United States	339	...	...	759	...	...
	United Kingdom	14	...	...	45	...	...
	Belgium	...	...	...	11	...	...
Cold rolled, n.o.p.	United States	359	24	8.1	1,484	76	11.8
	United Kingdom	...	...	.5	...	...	.5
Cold rolled, for agricultural implements	United States	515	3	...	2,064	5	...
Tool steel	United States	11	44	...	96	123	...
	United Kingdom	56	12	...	90	43	...
	Sweden	...	...	...	6	...	...
Structurals	United States	17,670	11	...	47,091	11	1.7
	United Kingdom	68	...	...	327	...	...

Note: "n.o.p." means "not otherwise provided for".

Imports of Primary Forms of Iron and Steel, March, and Year to Date, 1948 (Continued)

Commodity	Country of Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Plates -		(Tons of 2,000 pounds)					
78" and under in width	United States	2,398	1	21.6	8,424	13	83.4
	United Kingdom	30	...	...	285	...	...
Over 78" and under 100" in width..	United States	981	...	...	4,177	...	.5
	United Kingdom	136	...	4.9	136	...	4.9
Over 100" in width	United States	336	...	2.0	1,579	...	2.7
Flanged, dished or curved	United States	91	...	...	202	...	.6
Boiler, pulp-mill digesters	United States	415	...	1.5	1,167	...	1.5
	United Kingdom	63	...	...	63	...	...
Chequered or surface pattern	United States	929	...	...	2,194	...	...
Sheets -							
Silicon .075 or more	United States	...	1,197	...	...	4,788	...
Galvanized	United States	707	...	...	2,052	...	...
Hot rolled -							
18 gauge and heavier	United States	3,670	3	28.7	10,232	4	53.2
	United Kingdom	...	...	...	...	...	1.0
Lighter than 18 gauge	United States	236	1	1.4	644	1	32.7
For hollow ware (vitreous enamel)	United States	451	...	...	1,074	...	...
.05¢ per pound and over	United States	2	...	...	13	...	...
Corrugated	United States	333	...	...	702	...	...
Coated with paint, tar, asphaltum, etc.	United States	50	...	...	341	...	...
For saws	United States	31	40	...	86	113	...
For cold rolled strip	United States	22	...	...	169	...	...
Shaped for agricultural implements	United States	243	...	...	311	...	...
For tubes	United States	21	...	...	21	...	...
Cold rolled -							
18 gauge and heavier	United States	965	...	63.1	2,830	1	195.7
	United Kingdom	...	...	...	7	...	...
Lighter than 18 gauge	United States	2,580	...	118.5	7,081	18	274.8
	United Kingdom	4	...	...	69	...	...
For hollow ware (vitreous enamel)	United States	75	...	...	276	...	...
Black plate (tin mill)	United States	2,497	...	...	4,734	...	...
Coated with paint, tar, asphaltum, etc.	United States	60	...	...	246	...	...
For heating apparatus	United States	...	...	...	30	...	...
For saws	United States	...	5	...	30	8	...
	Sweden	...	...	...	...	2	...
For tubes	United States	957	...	...	2,365	...	...
For tubular products	United States	36	...	...	104	...	...
Black plate - For tinning	United States	3,540	...	...	7,804	...	...
Tin plate - Primes	United States	1,420	...	...	5,292	...	...
	United Kingdom	31	...	...	125	...	...
Electrolytic (25#) ...	United States	2,537	...	...	5,960	...	...
(50#) ...	United States	71	...	...	71	...	...
Terne plate - Long	United States	236	...	...	1,033	...	...
Short	United States	337	...	...	533	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,249	2	7.6	4,160	7	12.3
Lighter than 18 gauge	United States	116	...	...	411	...	...
For cold rolling	United States	257	...	...	933	...	...
For barrel hoops	United States	256	...	...	687	...	...
Painted	United States	478	...	...	1,423	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	53	...	...	74	...	...
For saws	United States	27	50	...	65	80	...
	Sweden	...	...	...	7	...	...
For motor vehicles	United States	1,135	...	...	2,794	...	...
For tubes	United States	14	...	...	70	...	...
For tubular products	United States	9	...	...	20	...	...
Silicon .075 or more	United States	...	67	...	19	115	...

Imports of Primary Forms of Iron and Steel, March, and Year to Date, 1948 (Continued)

Commodity	Country of Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Strip - (Concluded)		(Tons of 2,000 pounds)					
Cold rolled -							
18 gauge and heavier	United States	330	...	17.5	768	13	63.0
	Sweden	1	...	...	1	...	...
Lighter than 18 gauge	United States	306	...	49.0	1,262	...	174.7
	Sweden	9	...	...	112	...	...
Painted	United States	54	...	...	107	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	26	...	...	63	...	...
For saws	United States	...	11	...	20	23	...
	Sweden	...	15	...	...	19	...
For tubes	United States	103	...	...	247	...	...
For tubular products	United States	153	...	...	258	...	...
For butt hinges	United States	36	...	...	58	...	...
Silicon .075 or more	United States	...	73	...	...	170	...
Galvanized strip	United States	516	...	...	2,228	...	...
Skelp -							
Over 15 3/8" in width	United States	108	...	...	1,236	...	...
15 3/8" and under in width	United States	3,988	...	...	13,115	...	...
Pipes and Tubes -							
Cast	United States	185	...	...	522	...	...
	United Kingdom	84	...	...	263	...	...
Bedstead	United States	...	...	...	26	...	...
Boiler and pulp-mill digesters -							
Hot finished	United States	869	1	...	2,803	8	...
Cold drawn	United States	106	...	...	313	2	1.4
Welded	United States	10	...	...	204	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	385	29	16.1	2,520	60	44.7
	United Kingdom	3	...	5.8	8	...	8.6
	Sweden	...	...	...	...	...	.6
Hot finished	United States	472	4	...	805	5	...
	United Kingdom	...	...	...	5	...	...
Seamless, over 12" in diameter-							
Cold drawn	United States	...	...	...	105	...	1.9
Hot finished	United States	37	...	...	94	...	...
Welded, 4" and under in diameter.	United States	775	...	18.3	2,229	...	28.3
	United Kingdom	...	...	...	149	...	...
Welded, over 4" in diameter	United States	221	...	...	630	...	11.0
Tubing -							
Not over 1/2" diameter, welded and coated	United States	14	...	...	58	...	1.0
Casings	United States	1,185	...	...	1,600	...	...
Fittings and couplings	United States	193	...	.9	625	...	2.1
Wire rope	United States	6	...	.4	48	...	.7
	United Kingdom	7	...	...	49	...	...
Wire -							
For wire rope	United States	1,893	...	...	5,097	...	...
	United Kingdom	36	...	...	101	...	...
For corset laces, steels, etc. .	United States	10	...	...	26	...	...
	United Kingdom	1	...	...	1	...	...
For spring mattress, etc.	United States	50	...	...	111	...	...
For fencing, galvanized	United States	...	...	...	81	...	...
Wire cloth and netting	United States	48	...	.3	290	...	.3
	United Kingdom	...	...	...	9	...	...
Wire, coated	United States	81	...	...	190	...	...
Wire - All other	United States	442	...	2.7	1,691	...	4.6
Wire rods, not over 3/8" in diameter	United States	350	...	...	680	...	...
Wire rods and welding wire	United States	164	1	2.0	519	27	9.0

Imports of Primary Forms of Iron and Steel, March, and Year to Date, 1948 (Concluded)

Commodity	Country of Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Castings -							
For agricultural implements	United States	84	...	...	205	...	...
For ingot moulds	United States	2,778	...	...	7,139	...	...
Malleable	United States	40	...	...	141	...	...
Non-malleable	United States	256	...	...	465	...	...
Steel	United States	52	9	...	212	16	.1
For railway vehicles	United States	78	...	...	152	...	...
Rolls	United States	219	145	...	679	276	...
Piston rings (rough)	United States	34	...	...	77	...	...
Forgings							
	United States	68	10	...	260	53	...
	United Kingdom	28	16	...	28	16	...
Axles -							
For railway vehicles	United States	...	...	...	65	...	...
For all other vehicles	United States	50	...	...	51	...	...
Wheels -							
For railway rolling stock	United States	44	...	...	152	...	...
	United Kingdom	74	...	...	236	...	...
Tires -							
For railway rolling stock	United States	471	...	...	1,514	...	...
	United Kingdom	...	...	...	522	38	...
Rails -							
60 pounds and under	United States	21	...	...	67	...	...
Over 60 pounds and including							
100 pounds	United States	28	...	...	151	...	...
Over 100 pounds	United States	1	...	...	8	...	...
Grooved for electric tramways	United States	43	...	...	1,522	...	...
Track material -							
Angle bars, tie plates, rail							
joints	United States	132	240
Intersections, switches, frogs ...	United States	17	24

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41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
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MC28-24-6-48

Price -
10 cents

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on

PRIMARY IRON AND STEEL IN CANADA - APRIL, 1948

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 220,508 net tons in April, 1948, compared with 226,748 net tons in March, 1948. The April, 1948, total included 11,172 tons of semi-finished shapes, 14,899 tons of structurals, 21,891 tons of plates, 18,612 tons of rails, 11,487 tons of tie plates and track material, 45,411 tons of hot rolled bars, 13,946 tons of pipes and tubes, 16,854 tons of wire rods, 22,742 tons of black sheets, 10,222 tons of galvanized sheets, 9,799 tons of castings, 4,814 tons of miscellaneous hot rolled products, and 18,659 tons of all other products. The amount of producers' interchange was 85,667 tons in April, 1948, and 77,821 tons in March, 1948.

Of the amount shipped for sale during April, 53,041 tons went direct to railways and railway car shops; 10,643 tons to pressing, forming and stamping plants, 24,613 tons to merchant trade products, 25,462 tons to building construction, 17,879 tons to the containers industry, 7,941 tons to agricultural equipment, 10,548 tons to the automotive industry, 13,328 tons to machinery plants, 5,327 tons to shipbuilding, 6,405 tons to mining, lumbering, etc., and 2,712 tons to miscellaneous industries. Wholesalers and warehousing accounted for 27,419 tons and exports for 15,190 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing totalled 85,667 tons in April, 1948.

Table 1 - Production of Pig Iron in Canada, April, and Year to Date, 1948.

	April	Year to Date
	(Tons of 2,000 pounds)	
Basic	136,323	535,696
Foundry	18,549	70,759
Malleable	15,913	48,170
Total	170,785	654,625

Table 2 - Production of Steel Ingots and Castings in Canada, April, and Year to Date, 1948.

		April		Year to Date	
		Carbon	Alloy	Carbon	Alloy
		(Tons of 2,000 pounds)			
Steel ingots	- Open hearth	210,152	4,677	828,365	30,262
	Electric	33,083	6,403	126,861	22,126
	Total Ingots	243,235	11,080	955,226	52,388
Steel castings		8,352	1,588	32,894	6,535
Total Ingots and Castings		251,587	12,668	988,120	58,923

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, April, 1948

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	10,559	6,499	2,936
Other semi-finished shapes, not for re-rolling by makers	35,995	173	33,129
Structural shapes and piling	15,647	14,899	...
Plates	22,285	21,050	...
Rails	25,606	18,612	...
Tie plates and track material -			
Splice bars	4,079	3,787	...
Tie plates	6,102	6,379	...
Spikes	1,174	1,321	...
Concrete reinforcing bars	5,890	5,301	...
Hot rolled bars for cold finishing	788	...	659
Other hot rolled bars	51,090	33,985	12,833
Pipes and tubes	13,104	13,946	...
Wire rods	26,729	16,805	10,176
Hot rolled black sheets	26,117	20,117	8,448
Cold reduced black sheets	2,853	2,625	228
Galvanized sheets	9,322	10,222	...
Steel castings	8,352	8,241	...
Miscellaneous hot rolled products	21,046	4,461	17,207
All other products	18,444	18,452	...
Total - Carbon Steel	305,182	206,875	85,616
<u>Alloy Steel</u>			
Billets, etc., for forging	4,348	4,500	...
Other semi-finished shapes, not for re-rolling by makers	51	...	51
Structural shapes and piling .....	...	...	...
Plates	615	841	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,146	6,125	...
Pipes and tubes .....	...	...	...
Wire rods	108	49	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,588	1,558	...
Miscellaneous hot rolled products	378	353	...
All other products	178	207	...
Total - Alloy Steel	13,412	13,633	51

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Four Months Ended April, 1948.

Ended April, 1948.

	(Production (Including producers' interchange	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	33,385	21,609	11,551
Other semi-finished shapes, not for re-rolling by makers	131,033	426	124,682
Structural shapes and piling	62,313	60,499	...
Plates	72,595	70,746	...
Rails	96,819	105,970	...
Tie plates and track material -			
Splice bars	13,482	12,827	...
Tie plates	21,088	21,044	...
Spikes	4,958	5,013	...
Concrete reinforcing bars	22,908	22,969	...
Hot rolled bars for cold finishing	4,223	...	4,402
Other hot rolled bars	185,272	142,036	42,644
Pipes and tubes	54,732	50,716	...
Wire rods	96,339	67,147	28,245
Hot rolled black sheets	102,200	78,542	30,212
Cold reduced black sheets	14,732	14,167	565
Galvanized sheets	33,727	33,813	297
Steel castings	32,894	32,432	...
Miscellaneous hot rolled products	87,218	17,582	69,405
All other products	69,098	71,796	...
Total - Carbon Steel	1,139,016	829,334	312,003
<u>Alloy Steel</u>			
Billets, etc., for forging	11,380	11,329	...
Other semi-finished shapes, not for re-rolling by makers	1,182	...	1,182
Structural shapes and piling .....	...	...	...
Plates	1,294	1,294	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	31,335	31,466	...
Pipes and tubes .....	...	...	...
Wire rods	230	258	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	6,535	6,204	...
Miscellaneous hot rolled products	1,256	1,291	...
All other products	1,160	1,188	...
Total - Alloy Steel	54,372	53,030	1,182

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, April, and Year to Date, 1948

	April		Year to Date	
	Carbon	Alloy	Carbon	Alloy
(Tons of 2,000 pounds)				
Automotive industries	6,864	3,684	26,842	20,158
Agricultural, including farm machinery ...	7,814	127	38,837	1,178
Building construction	25,411	51	98,878	300
Containers industry	17,878	1	70,890	10
Machinery and tools	12,370	958	46,376	3,157
Merchant trade products	23,984	629	85,207	1,025
Mining, lumbering, etc.	5,782	623	23,140	2,751
National defence	26	3	138	12
Pressing, forming and stamping	10,576	67	50,936	312
Public works and utilities	1,709	53	5,008	246
Railway operating	29,227	410	126,110	1,057
Railway cars and locomotives	22,421	983	75,649	1,931
Shipbuilding	5,294	33	16,467	93
Miscellaneous and unclassified	822	99	4,644	464
Wholesalers and warehouses	27,279	140	114,090	1,048
Direct export (a) to British Empire	5,818	2,628	11,686	7,100
(b) to Other Countries	3,600	3,144	34,436	12,188
Total Shipped for Sale	206,875	13,633	829,334	53,030
Producers' interchange	85,616	51	352,003	1,182

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, April, and Year to Date, 1948.

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	101	...	...	750	...	...
	Australia	234	...	...	234	...	...
Foundry	United States	637	...	...	1,327	...	...
Silvery	United States	...	...	...	28	...	...
Ingots	United States	2,426	19	...	8,028	19	...
Billets, blooms, slabs and sheet bars	United States	6	2	...	13	8	...
Tube rounds and tube billets	United States	1,538	...	...	3,097	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	3,816	208	10.3	17,567	585	29.2
	United Kingdom	21	...	.9	73	...	6.6
Hot rolled -							
For agricultural implements .	United States	1,119	275	...	6,558	1,590	...
Rounds over 4 7/8", squares over 4"	United States	155	26	...	410	69	...
	United Kingdom	...	...	.3	...	...	.3
Angles, channels, etc.	United States	801	...	3.9	3,545	...	12.7
Structurals (bar sizes) for agricultural implements	United States	821	10	...	3,570	110	...
Sash or casement sections ...	United States	332	...	...	1,091	...	...
	United Kingdom	...	...	...	45	...	...
	Belgium	...	...	...	11	...	...
Cold rolled, n.o.p.	United States	512	33	5.9	1,996	109	17.7
	United Kingdom	...	...	1.1	...	...	1.6
Cold rolled, for agricultural implements	United States	354	5	...	2,418	10	...
Tool steel	United States	14	43	...	110	166	...
	United Kingdom	6	25	...	96	68	...
	Sweden	...	...	...	6	...	...
Structurals	United States	19,650	22	.8	66,741	33	2.5
	United Kingdom	187	...	...	514	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, April, and Year to Date, 1948(Continued)

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates -							
78" and under in width	United States	3,240	1	35.6	11,664	14	119.0
	United Kingdom	285	...	...	570	...	...
Over 78" and under 100" in width	United States	650	...	2.6	4,827	...	3.1
	United Kingdom	...	...	...	136	...	4.9
Over 100" in width	United States	690	...	24.8	2,269	...	27.5
Flanged, dished or curved	United States	62	...	2.9	264	...	3.5
Boiler, pulp-mill digesters	United States	651	...	...	1,818	...	1.5
	United Kingdom	...	...	...	63	...	...
Chequered or surface pattern ...	United States	576	...	...	2,770	...	...
Painted	United States	28	...	...	28	...	...
Sheets -							
Silicon .075 or more	United States	...	1,720	...	...	6,508	...
Galvanized	United States	554	...	...	2,606	...	...
	United Kingdom	11	...	...	11	...	...
Hot rolled -							
18 gauge and heavier	United States	4,162	2	16.2	14,394	6	69.4
	United Kingdom	...	...	2.7	...	...	3.7
Lighter than 18 gauge	United States	550	...	1.7	1,194	1	34.4
For hollow ware (vitreous enamel)	United States	414	...	...	1,488	...	...
.05¢ per pound and over	United States	...	...	...	13	...	...
Corrugated	United States	306	...	...	1,008	...	...
Coated with paint, tar, asphaltum, etc.	United States	27	...	...	368	...	...
For saws	United States	13	53	...	99	166	...
	United Kingdom	...	8	...	...	8	...
For cold rolled strip	United States	49	...	...	218	...	...
Shaped for agricultural imple- ments	United States	236	...	...	547	...	...
For tubes	United States	50	...	...	71	...	...
Cold rolled -							
18 gauge and heavier	United States	700	...	74.5	3,530	1	270.2
	United Kingdom	...	...	...	7	...	...
Lighter than 18 gauge	United States	2,666	...	173.1	9,747	18	447.9
	United Kingdom	40	...	...	109	...	...
For hollow ware (vitreous enamel)	United States	29	...	...	305	...	...
Black plate (tin mill)	United States	1,758	...	...	6,492	...	...
Coated with paint, tar, asphaltum, etc.	United States	92	...	...	338	...	...
For heating apparatus	United States	29	...	...	59	...	...
For saws	United States	...	7	...	30	15	...
	Sweden	...	...	...	...	2	...
For tubes	United States	513	...	...	2,878	...	...
For tubular products	United States	18	...	...	122	...	...
For butt and hinges	United States	16	...	...	16	...	...
Black plate - For tinning	United States	2,644	...	...	10,448	...	...
Tin plate - Primes	United States	1,591	...	...	6,883	...	...
	United Kingdom	22	...	...	147	...	...
Electrolytic (25#) .	United States	1,481	...	...	7,441	...	...
Electrolytic (50#) .	United States	102	...	...	173	...	...
Terne plate - Long	United States	327	...	...	1,360	...	...
Short	United States	898	...	...	1,431	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,658	5	2.1	5,818	12	14.4
	United Kingdom	30	...	...	30	...	...
Lighter than 18 gauge	United States	262	...	...	673	...	...
For cold rolling	United States	886	...	...	1,819	...	...
For barrel hoops	United States	...	...	...	687	...	...
Painted	United States	240	...	...	1,663	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, April, and Year to Date, 1948(Continued)

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (Concluded)							
Hot rolled -							
.05¢ per pound and over	United States	1	...	...	1	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	152	...	...	226	...	...
For saws	United States	65	5	...	130	85	...
	Sweden	...	...	...	7	...	...
For motor vehicles	United States	961	...	...	3,755	...	...
For butt hinges	United States	29	...	...	29	...	...
For hoops	United States	300	...	...	300	...	...
For tubes	United States	58	...	...	128	...	...
For tubular products	United States	41	...	...	61	...	...
Silicon .075 or more	United States	...	96	...	19	211	...
Cold rolled -							
18 gauge and heavier	United States	225	6	11.7	993	19	74.7
	Sweden	...	...	...	1	...	...
Lighter than 18 gauge	United States	595	...	69.2	1,857	...	243.9
	Sweden	3	...	...	115	...	...
Painted	United States	43	...	...	150	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	27	...	...	90	...	...
For saws	United States	...	14	...	20	37	...
	Sweden	...	6	...	...	25	...
For tubes	United States	50	...	...	297	...	...
For tubular products	United States	115	...	...	373	...	...
For butt hinges	United States	244	...	...	302	...	...
Silicon .075 or more	United States	...	116	...	...	286	...
Galvanized strip	United States	563	...	...	2,791	...	...
Skelp -							
Over 15 3/8" in width	United States	874	...	...	2,110	...	...
15 3/8" and under	United States	5,984	...	...	19,099	...	...
Pipes and Tubes -							
Cast	United States	90	...	...	612	...	...
	United Kingdom	152	...	...	415	...	...
Bedstead	United States	10	...	...	36	...	...
Boiler and pulp-mill digesters -							
Hot finished	United States	714	2	...	3,517	10	...
Cold drawn	United States	344	...	...	657	2	1.4
Welded	United States	27	...	...	231	...	...
Seamless, 12" and under in diameter - Cold drawn							
	United States	637	76	14.3	3,157	136	59.0
	United Kingdom	18	1	.9	26	1	9.5
	Sweden	...	...	...	...	...	.6
Hot finished	United States	298	...	...	1,103	5	...
	United Kingdom	4	...	...	9	...	...
Seamless, more than 12" in diameter - Cold drawn							
	United States	...	...	...	105	...	1.9
Hot finished	United States	241	...	...	335	...	...
	United Kingdom	1,706	...	...	1,706	...	...
Welded, 4" and under in diameter							
	United States	860	...	3.3	3,089	...	31.5
	United Kingdom	184	...	...	333	...	...
Welded, over 4" in diameter							
	United States	292	...	...	922	...	11.0
	Belgium	82	...	...	82	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	6	...	...	64	...	1.0
Casings	United States	601	...	...	2,201	...	...
Fittings and couplings	United States	233	...	1.1	858	...	3.2
	United Kingdom	6	...	...	6	...	...
	Belgium	7	...	...	7	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, April, and Year to Date, 1948(Concluded)

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire rope	United States	69	...	1.7	117	...	2.4
	United Kingdom	14	...	...	63	...	...
Wire -							
For wire rope	United States	1,989	...	...	7,086	...	...
	United Kingdom	51	...	...	152	...	...
For corset laces, steels, etc. ..	United States	33	...	...	59	...	...
	United Kingdom	1	...	...	2	...	...
For spring mattress, etc.	United States	61	...	...	172	...	...
For fencing, galvanized	United States	...	...	...	81	...	...
Wire cloth and netting	United States	47	...	.4	337	...	.7
	United Kingdom	32	...	...	41	...	...
Wire, coated	United States	92	...	...	282	...	...
Wire - All other	United States	869	...	3.6	2,560	...	8.2
Wire rods, not over 3/8" in diameter	United States	63	...	...	743	...	...
Welding rods and welding wire	United States	190	1	2.0	709	28	11.0
Castings -							
For agricultural implements	United States	65	...	...	270	...	...
For ingot moulds	United States	1,348	...	...	8,487	...	...
Malleable	United States	31	...	...	172	...	...
Non-malleable	United States	191	...	...	656	...	...
Steel	United States	51	1	.2	263	17	.3
For railway vehicles	United States	1	...	...	153	...	...
Rolls	United States	128	8	...	807	284	...
Piston rings (rough)	United States	12	...	...	89	...	...
Forgings	United States	52	24	...	312	77	...
	United Kingdom	53	21	...	81	37	...
Axles -							
For railway vehicles	United States	28	...	...	93	...	...
For all other vehicles	United States	...	...	...	51	...	...
Wheels -							
For railway rolling stock	United States	44	...	...	196	...	...
	United Kingdom	56	...	...	292	...	...
Tires -							
For railway rolling stock	United States	610	...	...	2,124	...	...
	United Kingdom	140	16	...	662	54	...
Rails -							
60 pounds and under	United States	121	...	...	188	...	...
Over 60 pounds and including							
100 pounds	United States	24	...	...	175	...	...
Over 100 pounds	United States	8	...	...	16	...	...
Grooved for electric tramways ...	United States	...	...	...	1,522	...	...
Track material -							
Angle bars, tie plates, rail							
joints	United States	73	...	...	313	...	...
Intersections, switches, frogs ..	United States	6	...	...	30	...	...

Table 7 - Exports from Canada of Primary Iron and Steel, April and Year to Date, 1948

	April	Year to Date
	(Tons of 2,000 pounds)	
Pig iron .....	...	...
Ingots, blooms and billets	4,633	7,704
Bars	4,323	16,463
Rods	191	464
Plates, sheets and strips	2,173	5,315
Rails	7,291	35,214
Structural shapes	441	941
Pipe and tubing - Wrought iron	21	871
Cast iron	14	102
Galvanized	40	99
Other	8	469
Castings, iron and steel	452	2,140
Forgings	60	252

41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-22-7-48
Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

DEPT. OF
POLITICAL ECONOMY

Dominion Statistician:
Director - Division of Census of Industry and Merchandising:
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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - MAY, 1948

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 229,672 net tons in May, 1948 compared with 220,508 net tons in April, 1948. The May, 1948 total included 13,324 tons of semi-finished shapes, 12,643 tons of structurals, 22,400 tons of plates, 32,412 tons of rails, 10,391 tons of tie plates and track material, 54,570 tons of hot rolled bars, 11,343 tons of pipes and tubes, 13,879 tons of wire rods, 18,935 tons of black sheets, 8,237 tons of galvanized sheets, 8,866 tons of castings, 4,783 tons of miscellaneous hot rolled products, and 17,889 tons of all other products. The amount of producers' interchange was 85,885 tons in May, 1948 and 85,667 tons in April, 1948.

Of the amount shipped for sale during May, 52,203 tons went direct to railways and railway car shops; 11,244 tons went to pressing, forming and stamping plants; 20,026 tons to merchant trade products; 25,732 tons to building construction; 17,026 tons to the containers industry; 9,456 tons to agricultural equipment; 12,555 tons to the automotive industry; 11,886 tons to machinery plants; 5,251 tons to shipbuilding; 6,315 tons to mining, lumbering, etc., and 1,870 tons to miscellaneous industries. Wholesalers and warehousing accounted for 25,019 tons and exports for 30,589 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 85,885 tons in May, 1948.

Table 1 - Production of Pig Iron in Canada, May, and Year to Date, 1948

	May	Year to Date
	(Tons of 2,000 pounds)	
Basic	156,837	692,533
Foundry	21,434	92,193
Malleable	15,034	63,204
Total	193,305	847,930

Table 2 - Production of Steel Ingots and Castings in Canada, May, and Year to Date, 1948.

		May		Year to Date	
		Carbon	Alloy	Carbon	Alloy
		(Tons of 2,000 pounds)			
Steel ingots	Open hearth	225,763	10,044	1,054,128	40,306
	Electric	38,196	5,685	165,057	27,811
	Total Ingots	263,959	15,729	1,219,185	68,117
Steel castings		8,265	1,611	41,159	8,146
Total Ingots and Castings		272,224	17,340	1,260,344	76,263

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, May, 1948

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	8,110	5,834	2,878
Other semi-finished shapes, not for re-rolling by makers	41,134	3,280	34,150
Structural shapes and piling	10,298	12,643	...
Plates	22,890	22,132	...
Rails	32,726	32,412	...
Tie plates and track material -			
Splice bars	2,387	2,956	...
Tie plates	6,304	6,311	...
Spikes	1,098	1,124	...
Concrete reinforcing bars	6,344	6,453	...
Hot rolled bars for cold finishing	938	...	1,067
Other hot rolled bars	53,802	40,834	11,329
Pipes and tubes	10,135	11,343	...
Wire rods	24,065	13,876	10,033
Hot rolled black sheets	21,948	15,025	7,568
Cold reduced black sheets	4,162	3,910	252
Galvanized sheets	8,242	8,237	...
Steel castings	8,265	7,374	...
Miscellaneous hot rolled products	23,073	4,403	18,399
All other products	17,377	17,581	...
Total - Carbon Steel	303,298	215,728	85,676
<u>Alloy Steel</u>			
Billets, etc., for forging	4,359	4,210	...
Other semi-finished shapes, not for re-rolling by makers	209	...	209
Structural shapes and piling .....	...	...	...
Plates	342	268	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,852	7,283	...
Pipes and tubes .....	...	...	...
Wire rods	27	3	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,611	1,492	...
Miscellaneous hot rolled products	398	380	...
All other products	320	308	...
Total - Alloy Steel	15,118	13,944	209

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Five Months Ended May, 1948.

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	41,495	27,443	14,429
Other semi-finished shapes, not for re-rolling by makers	172,167	3,706	158,832
Structural shapes and piling	72,611	73,142	...
Plates	95,485	92,878	...
Rails	129,545	138,382	...
Tie plates and track material -			
Splice bars	15,869	15,783	...
Tie plates	27,392	27,355	...
Spikes	6,056	6,137	...
Concrete reinforcing bars	29,252	29,422	...
Hot rolled bars for cold finishing	5,161	...	5,469
Other hot rolled bars	239,074	182,870	53,973
Pipes and tubes	64,267	62,059	...
Wire rods	120,404	81,023	38,278
Hot rolled black sheets	124,148	93,567	37,780
Cold reduced black sheets	18,894	18,077	817
Galvanized sheets	41,969	42,050	297
Steel castings	41,159	39,806	...
Miscellaneous hot rolled products	110,291	21,985	87,804
All other products	86,475	89,377	...
Total - Carbon Steel	1,442,314	1,045,062	397,679
<u>Alloy Steel</u>			
Billets, etc., for forging	15,739	15,539	...
Other semi-finished shapes, not for re-rolling by makers	1,391	...	1,391
Structural shapes and piling .....	...	...	...
Plates	1,636	1,562	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	39,187	38,749	...
Pipes and tubes .....	...	...	...
Wire rods	257	261	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	8,146	7,696	...
Miscellaneous hot rolled products	1,654	1,671	...
All other products	1,480	1,496	...
Total - Alloy Steel	69,490	66,974	1,391

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, May, and Year to Date, 1948

	May		Year To Date	
	Carbon	Alloy	Carbon	Alloy
(Tons of 2,000 pounds)				
Automotive industries	7,351	5,204	34,193	25,362
Agricultural, including farm machinery	9,155	301	47,992	1,479
Building construction	25,663	69	124,541	369
Containers industry	17,026	...	87,916	10
Machinery and tools	11,141	745	57,517	3,902
Merchant trade products	19,891	135	105,098	1,160
Mining, lumbering, etc.	6,215	600	29,355	3,351
National defence	32	2	170	14
Pressing, forming and stamping	11,158	86	62,094	398
Public works and utilities	976	93	5,984	339
Railway operating	32,173	295	158,283	1,352
Railway cars and locomotives	19,308	427	94,957	2,358
Shipbuilding	5,210	41	21,677	134
Miscellaneous and unclassified	611	156	5,255	620
Wholesalers and warehouses	24,827	192	138,917	1,240
Direct export (a) to British Empire	16,415	2,637	28,101	9,737
(b) to Other Countries	8,576	2,961	43,012	15,149
Total Shipped for Sale	215,728	13,944	1,045,062	66,974
Producers' interchange	85,676	209	437,679	1,391

Table 6 - Imports into Canada of Primary forms of Iron and Steel, May, and Year to Date, 1948.

Commodity	Country of Origin	May			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Basic	United States	483	...	...	1,233	...	...
	Australia	...	...	...	234	...	...
Foundry	United States	...	...	...	1,327	...	...
Silvery	United States	...	...	...	28	...	...
Ingots	United States	2,648	...	...	10,676	19	...
Billets, blooms, slabs and sheet bars	United States	29	...	...	42	8	...
Tube rounds and tube billets	United States	604	...	...	3,701	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	3,327	92	7.6	20,894	677	36.8
	United Kingdom	41	...	2.5	114	...	9.1
Hot rolled -							
For agricultural implements	United States	1,274	370	...	7,832	1,960	...
	United Kingdom	50	...	...	50	...	...
Rounds over 4 7/8", squares over 4"	United States	71	20	...	481	89	...
	United Kingdom	44	...	...	44	...	.3
Angles, channels, etc.	United States	677	...	1.3	4,222	...	14.0
Structurals (bar sizes) for agricultural implements ...	United States	667	44	...	4,237	154	...
Sash or casement sections ..	United States	204	...	...	1,295	...	...
	United Kingdom	14	...	...	59	...	...
	Belgium	...	...	...	11	...	...
Cold rolled, n.o.p.	United States	337	6	19.7	2,333	115	37.4
	United Kingdom	...	...	...	...	...	1.6
Cold rolled, for agricultural implements	United States	557	...	...	2,975	10	...
Tool steel	United States	21	57	...	131	223	...
	United Kingdom	26	16	...	122	84	...
	Sweden	...	...	...	6	...	...
Structurals	United States	14,553	...	.6	81,294	33	3.1
	United Kingdom	15	...	...	529	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, May, and Year to Date, 1948(Continued)

Commodity	Country of Origin	May			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates -							
78" and under in width	United States	3,268	1	17.9	14,932	15	136.9
	United Kingdom	179	...	2.2	749	...	2.2
Over 78" and under 100" in width.	United States	1,193	...	...	6,020	...	3.1
	United Kingdom	182	...	2.3	318	...	7.2
Over 100" in width	United States	649	...	...	2,918	...	27.5
Flanged, dished or curved	United States	353	...	1.4	617	...	4.9
Boiler, pulp-mill digesters	United States	505	...	.3	2,323	...	1.8
	United Kingdom	...	...	...	63	...	...
Chequered or surface pattern	United States	546	...	...	3,316	...	...
Painted	United States	1	...	...	29	...	...
Sheets -							
Silicon .075 or more	United States	...	1,778	...	...	8,286	...
Galvanized	United States	907	...	...	3,513	...	...
	United Kingdom	...	...	...	11	...	...
Hot rolled -							
18 gauge and heavier	United States	2,703	...	40.0	17,097	6	109.4
	United Kingdom	...	...	5.5	...	...	9.2
Lighter than 18 gauge	United States	557	...	.5	1,751	1	34.9
For hollow ware (vitreous enamel)	United States	431	...	...	1,919	...	...
.05¢ per pound and over	United States	...	...	...	13	...	...
Corrugated	United States	398	...	...	1,406	...	...
Coated with paint, tar, asphaltum, etc.	United States	122	...	...	490	...	...
For saws	United States	26	72	...	125	238	...
	United Kingdom	...	6	...	...	14	...
For cold rolled strip	United States	...	...	...	218	...	...
Shaped for agricultural implements	United States	29	...	...	576	...	...
For tubes	United States	46	...	...	117	...	...
Cold rolled -							
18 gauge and heavier	United States	850	...	57.3	4,380	1	327.5
	United Kingdom	11	...	1.8	18	...	1.8
Lighter than 18 gauge	United States	2,357	...	72.7	12,104	18	520.6
	United Kingdom	83	...	...	192	...	...
For hollow ware (vitreous enamel)	United States	247	...	...	552	...	...
	United Kingdom	81	...	...	81	...	...
Black plate (tin mill)	United States	1,653	...	...	8,145	...	...
Coated with paint, tar, asphaltum, etc.	United States	97	...	...	435	...	...
For heating apparatus	United States	10	...	...	69	...	...
For saws	United States	...	3	...	30	18	...
	Sweden	...	...	...	...	2	...
For tubes	United States	569	...	...	3,447	...	...
For tubular products	United States	91	...	...	213	...	...
For butt hinges	United States	...	...	...	16	...	...
Black plate - For tinning	United States	4,087	...	...	14,535	...	...
Tin plate - Primes	United States	2,094	...	...	8,977	...	...
	United Kingdom	106	...	...	253	...	...
Electrolytic (25#) ..	United States	3,238	...	...	10,679	...	...
(50#) ..	United States	...	...	...	173	...	...
Terne plate - Long	United States	181	...	...	1,541	...	...
Short	United States	430	...	...	1,861	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,271	2	1.5	7,089	14	15.9
	United Kingdom	6	...	...	36	...	...
Lighter than 18 gauge	United States	143	...	...	816	...	...
For cold rolling	United States	673	...	...	2,492	...	...
For barrel hoops	United States	...	...	...	687	...	...
Painted	United States	225	...	...	1,888	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, May, and Year to Date, 1948 (Continued)

Commodity	Country of Origin	May			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Strip - (Concluded)		(Tons of 2,000 pounds)					
Hot rolled -							
.05¢ per pound and over	United States	...	...	...	1	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	83	...	...	309	...	...
For saws	United States	53	19	...	183	104	...
	Sweden	...	...	...	7	...	...
For motor vehicles	United States	1,327	...	...	5,082	...	...
For butt hinges	United States	...	...	...	29	...	...
For hoops	United States	405	...	...	705	...	...
For tubes	United States	...	...	...	128	...	...
For tubular products	United States	35	...	...	96	...	...
Silicon .075 or more	United States	...	284	...	19	495	...
Cold rolled -							
18 gauge and heavier	United States	230	...	15.6	1,223	19	90.3
	Sweden	...	...	...	1	...	...
Lighter than 18 gauge	United States	713	...	65.1	2,570	...	309.0
	United Kingdom	1	...	.5	1	...	.5
	Sweden	1	...	...	116	...	...
Painted	United States	96	...	...	246	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	57	...	...	147	...	...
For saws	United States	...	5	...	20	42	...
	Sweden	...	11	...	...	36	...
For tubes	United States	12	...	...	309	...	...
For tubular products	United States	33	...	...	406	...	...
For butt hinges	United States	109	...	...	411	...	...
Silicon .075 or more	United States	...	86	...	...	372	...
Galvanized strip	United States	554	...	...	3,345	...	...
Skelp -							
Over 15 3/8" in width	United States	...	...	...	2,110	...	...
15 3/8" and under in width	United States	1,207	...	...	20,306	...	...
	Belgium	1,206	...	...	1,206	...	...
Pipes and Tubes -							
Cast	United States	6	...	...	618	...	...
	United Kingdom	398	...	...	813	...	...
Bedstead	United States	4	...	...	40	...	...
Boiler and pulp-mill digesters -							
Hot finished	United States	738	22	...	4,255	32	...
Cold drawn	United States	110	3	...	767	5	1.4
Welded	United States	18	...	...	249	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	648	42	20.0	3,805	178	79.0
	United Kingdom	13	...	4.6	39	1	14.1
	Sweden	...	...	...	...	...	.6
Hot finished	United States	250	1	...	1,353	6	...
	United Kingdom	...	...	...	9	...	...
Seamless, over 12" in diameter -							
Cold drawn	United States	...	...	...	105	...	1.9
Hot finished	United States	168	...	...	503	...	...
	United Kingdom	3	...	...	1,709	...	...
Welded, 4" and under in diameter.	United States	1,346	1	2.0	4,435	1	33.5
	United Kingdom	102	...	...	435	...	...
	Australia	21	...	...	21	...	...
Welded, over 4" in diameter	United States	219	...	2.4	1,141	...	13.4
	Belgium	...	...	...	82	...	...
	Australia	5	...	...	5	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	10	...	...	74	...	1.0
Casings	United States	1,550	...	...	3,751	...	...
Fittings and couplings	United States	186	...	.4	1,044	...	3.6
	United Kingdom	...	...	...	6	...	...
	Belgium	...	...	...	7	...	...

Primary

- 7 -

Table 6 - Imports into Canada of Primary forms of Iron and Steel, May, and Year to Date, 1948 (Concluded)

Commodity	Country of Origin	May			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire rope	United States	16	...	...	133	...	2.4
	United Kingdom	10	...	...	73	...	...
Wire -							
For wire rope	United States	2,230	...	...	9,316	...	...
	United Kingdom	68	...	...	220	...	...
For corset laces, steels, etc. .	United States	25	...	...	84	...	...
	United Kingdom	1	...	...	3	...	...
For spring mattress, etc.	United States	16	...	...	188	...	...
For fencing, galvanized	United States	...	...	...	81	...	...
Wire cloth and netting	United States	197	...	...	534	...	.7
	United Kingdom	9	...	...	50	...	...
Wire, coated	United States	136	...	...	418	...	...
Wire - All other	United States	1,061	...	2.1	3,621	...	10.3
Wire rods, not over 3/8" in diameter	United States	28	...	...	771	...	...
Welding wire and welding rods	United States	232	...	7.2	941	28	18.2
Castings -							
For agricultural implements	United States	169	...	...	439	...	...
For ingot moulds	United States	658	...	...	9,145	...	...
Malleable	United States	42	...	...	214	...	...
Non-malleable	United States	159	...	...	815	...	...
Steel	United States	162	5	...	425	22	.3
For railway vehicles	United States	20	...	...	173	...	...
Rolls	United States	380	99	...	1,187	383	...
Piston rings (rough)	United States	1	...	...	90	...	...
Forgings	United States	106	9	2.3	418	86	2.3
	United Kingdom	...	14	...	81	51	...
Axles -							
For railway vehicles	United States	112	...	...	205	...	...
For all other vehicles	United States	...	...	...	51	...	...
Wheels -							
For railway rolling stock	United States	159	...	...	355	...	...
	United Kingdom	225	...	...	517	...	...
Tires -							
For railway rolling stock	United States	542	...	...	2,666	...	...
	United Kingdom	824	45	...	1,486	99	...
Rails -							
60 pounds and under	United States	...	...	...	188	...	...
Over 60 pounds and including 100 pounds	United States	7	...	...	182	...	...
Over 100 pounds	United States	...	...	...	16	...	...
Grooved for electric tramways .	United States	260	...	...	1,782	...	...
Track material -							
Angle bars, tie plates, rail joints	United States	72	...	...	385	...	...
Intersections, switches, frogs	United States	13	...	...	43	...	...

Table 7 - Exports from Canada of Primary Iron and Steel, May, and Year to Date, 1948

	May	Year to Date
	(Tons of 2,000 pounds)	
Pig iron .....	...	...
Ingots, blooms and billets	5,276	12,980
Bars	4,734	21,197
Rods	41	505
Plates, sheets and strips	1,269	6,584
Rails	13,694	48,908
Structural shapes	655	1,596
Pipe and tubing - Wrought iron	33	904
Cast iron	54	156
Galvanized	17	116
Other	31	500
Castings, iron and steel	579	2,719
Forgings	38	289

41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-7-9-48

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

Dominion Statistician:
Director - Division of Census of Industry and Merchandising:
Chief - Mining, Metallurgical and Chemical Statistics:

Herbert Marshall
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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA, JUNE, 1948

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 220,351 net tons in June, 1948, compared with 229,672 net tons in May, 1948. The June, 1948 total included 8,431 tons of semi-finished shapes, 14,576 tons of structurals, 17,827 tons of plates, 34,168 tons of rails, 5,019 tons of tie plates and track material, 56,789 tons of hot rolled bars, 10,718 tons of pipes and tubes, 12,682 tons of wire rods, 20,776 tons of black sheets, 8,111 tons of galvanized sheets, 9,101 tons of castings, 4,700 tons of miscellaneous hot rolled products, and 17,453 tons of all other products. The amount of producers' interchange was 88,372 tons in June, 1948 and 85,885 tons in May, 1948.

Of the amount shipped for sale during June, 50,522 tons went direct to railways and railway car shops; 10,843 tons to pressing, forming and stamping plants; 20,177 tons to merchant trade products; 25,698 tons to building construction; 17,024 tons to the containers industry; 11,283 tons to agricultural equipment; 12,254 tons to the automotive industry; 12,698 tons to machinery plants; 3,284 tons to shipbuilding; 6,688 tons to mining, lumbering, etc., and 2,277 tons to miscellaneous industries. Wholesalers and warehousing accounted for 25,484 tons and exports for 22,119 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 88,372 tons in June, 1948.

Table 1 - Production of Pig Iron in Canada, June and Year to Date, 1948

	June	Year to Date
	(Tons of 2,000 pounds)	
Basic	148,641	841,174
Foundry	18,809	111,002
Malleable	16,313	79,517
Total	183,763	1,031,693

Table 2 - Production of Steel Ingots and Castings in Canada, June and Year to Date, 1948

	J u n e		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	202,508	5,871	1,256,636	46,177
Electric	36,079	5,251	201,136	33,062
Total Ingots	238,587	11,122	1,457,772	79,239
Steel castings	8,054	1,562	49,213	9,708
Total Ingots and Castings	246,641	12,684	1,506,985	88,947

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, June, 1948

	Production (Including producers' interchange)	Shipments For Producers' sale interchange
	(Tons of 2,000 pounds)	
<u>Carbon Steel</u>		
Billets, etc., for forging	7,478	5,133
Other semi-finished shapes, not for re-rolling by makers	35,362	67
Structural shapes and piling	17,434	14,576
Plates	17,061	17,542
Rails	32,010	34,168
Tie plates and track material -		
Splice bars	3,004	1,845
Tie plates	2,149	2,163
Spikes	1,020	1,011
Concrete reinforcing bars	6,645	6,707
Hot rolled bars for cold finishing	582	...
Other hot rolled bars	41,621	42,281
Pipes and tubes	12,036	10,718
Wire rods	23,350	12,614
Hot rolled black sheets	26,487	16,846
Cold reduced black sheets	4,508	3,930
Galvanized sheets	8,690	8,111
Steel castings	8,054	7,597
Miscellaneous hot rolled products	21,852	4,315
All other products	18,409	17,249
Total - Carbon Steel	287,752	206,873
<u>Alloy Steel</u>		
Billets, etc., for forging	3,293	3,231
Other semi-finished shapes, not for re-rolling by makers	583	...
Structural shapes and piling .....	...	...
Plates	337	285
Rails .....	...	...
Tie plates and track material -		
Splice bars .....	...	...
Tie plates .....	...	...
Spikes .....	...	...
Concrete reinforcing bars .....	...	...
Hot rolled bars for cold finishing .....	...	...
Other hot rolled bars	7,224	7,801
Pipes and tubes .....	...	...
Wire rods	27	68
Hot rolled black sheets .....	...	...
Cold reduced black sheets .....	...	...
Galvanized sheets .....	...	...
Steel castings	1,562	1,504
Miscellaneous hot rolled products	491	385
All other products	209	204
Total - Alloy Steel	13,726	13,478

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Six Months Ended June, 1948

	June, 1948	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
		(Tons of 2,000 pounds)		
<u>Carbon Steel</u>				
Billets, etc., for forging		48,973	32,576	16,837
Other semi-finished shapes, not for re-rolling by makers		207,529	3,773	201,389
Structural shapes and piling		90,045	87,718	...
Plates		112,546	110,420	...
Rails		161,555	172,550	...
Tie plates and track material -				
Splice bars		18,873	17,628	...
Tie plates		29,541	29,518	...
Spikes		7,076	7,148	...
Concrete reinforcing bars		35,897	36,129	...
Hot rolled bars for cold finishing		5,743	...	6,095
Other hot rolled bars		280,695	225,151	59,252
Pipes and tubes		76,903	72,777	...
Wire rods		143,754	93,637	49,314
Hot rolled black sheets		150,635	110,413	44,893
Cold reduced black sheets		23,402	22,007	1,395
Galvanized sheets		50,659	50,161	297
Steel castings		49,213	47,403	...
Miscellaneous hot rolled products		132,143	26,300	105,996
All other products		104,884	106,626	...
Total - Carbon Steel		1,730,066	1,251,935	485,468
<u>Alloy Steel</u>				
Billets, etc., for forging		19,032	18,770	...
Other semi-finished shapes, not for re-rolling by makers		1,974	...	1,974
Structural shapes and piling
Plates		1,973	1,847	...
Rails
Tie plates and track material -				
Splice bars
Tie plates
Spikes
Concrete reinforcing bars
Hot rolled bars for cold finishing
Other hot rolled bars		46,411	46,550	...
Pipes and tubes
Wire rods		284	329	...
Hot rolled black sheets
Cold reduced black sheets
Galvanized sheets
Steel castings		9,708	9,200	...
Miscellaneous hot rolled products		2,145	2,056	...
All other products		1,689	1,700	...
Total - Alloy Steel		83,216	80,452	1,974

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, June and Year to Date, 1948

	J u n e		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Automotive industries	6,794	5,460	40,987	30,822
Agricultural, including farm machinery	10,993	290	58,985	1,769
Building construction	25,538	160	150,079	529
Containers industry	16,764	260	104,680	270
Machinery and tools	12,380	318	69,897	4,220
Merchant trade products	20,060	117	125,158	1,277
Mining, lumbering, etc.	6,041	647	35,396	3,998
National defence	1	...	171	14
Pressing, forming and stamping	10,759	84	72,853	482
Public works and utilities	1,414	26	7,398	365
Railway operating	31,389	302	189,672	1,654
Railway cars and locomotives	18,482	349	113,439	2,707
Shipbuilding	3,202	82	24,879	216
Miscellaneous and unclassified	688	148	5,943	768
Wholesalers and warehouses	24,896	588	163,813	1,828
Direct export (a) to British Empire ..	15,018	1,178	43,119	10,915
(b) to other countries..	2,454	3,469	45,466	18,618
Total Shipped for Sale	206,873	13,478	1,251,935	80,452
Producers' interchange	87,789	583	525,468	1,974

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, June and Year to Date, 1948

Commodity	Country of Origin	J u n e			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Basic	United States	459	...	...	1,692	...	...
	Australia	...	...	...	234	...	...
Foundry	United States	...	...	...	1,327	...	...
Silvery	United States	28	...	...	56	...	...
Ingots	United States	3,639	...	...	14,315	19	...
Billets, blooms, slabs and sheet bars	United States	...	5	...	42	13	...
Tube rounds and tube billets	United States	1,974	...	...	5,675	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	4,162	104	9.7	25,056	781	46.5
	United Kingdom	11	...	2.3	125	...	11.4
	Belgium	275	...	...	275	...	...
Hot rolled -							
For agricultural implements	United States	1,336	216	...	9,168	2,176	...
	United Kingdom	...	...	...	50	...	...
Rounds over 4 7/8", squares over							
4"	United States	89	10	...	570	99	...
	United Kingdom	26	...	...	70	...	.3
Angles, channels, etc.	United States	1,167	...	.9	5,389	...	14.9
	United Kingdom	2	...	...	2	...	...
Structurals (bar sizes) for							
agricultural implements	United States	826	53	...	5,063	207	...
Sash or casement sections	United States	200	...	...	1,495	...	...
	United Kingdom	...	...	...	59	...	...
	Belgium	...	...	...	11	...	...
Cold rolled, n.o.p.	United States	297	16	4.2	2,630	131	41.6
	United Kingdom	...	...	.8	...	...	2.4
Cold rolled, for agricultural							
implements	United States	554	...	...	3,529	10	...
Tool steel	United States	18	92	...	149	315	...
	United Kingdom	85	14	...	207	98	...
	Sweden	...	...	...	6	...	...
Structurals	United States	13,017	...	3.3	94,311	33	6.4
	United Kingdom	166	...	...	695	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, June and Year to Date, 1948 (Continued)

Commodity	Country of Origin	J u n e			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates -							
78" and under in width	United States	1,969	1	94.8	16,901	16	231.7
	United Kingdom	497	...	...	1,246	...	2.2
Over 78" and under 100" in width	United States	1,185	...	4.3	7,205	...	7.4
	United Kingdom	260	...	1.4	578	...	8.6
Over 100" in width	United States	530	...	8.8	3,448	...	36.3
	United Kingdom	123	...	.2	123	...	.2
Flanged, dished or curved	United States	67	...	2.3	684	...	7.2
Boiler, pulp-mill digesters	United States	742	12	31.1	3,065	12	32.9
	United Kingdom	...	...	...	63	...	...
Chequered or surface pattern ...	United States	751	...	...	4,067	...	...
Painted	United States	4	...	...	33	...	...
Sheets -							
Silicon .075 or more	United States	...	1,595	...	...	9,881	...
Galvanized	United States	766	...	...	4,279	...	...
	United Kingdom	145	...	...	156	...	...
Hot rolled -							
18 gauge and heavier	United States	3,650	2	29.9	20,747	8	139.3
	United Kingdom	...	...	...	...	...	9.2
Lighter than 18 gauge	United States	282	...	1.7	2,033	1	36.6
For hollow ware (vitreous enamel)	United States	444	...	...	2,363	...	...
.05¢ per pound and over	United States	...	...	...	13	...	...
Corrugated	United States	378	...	...	1,784	...	...
Coated with paint, tar, asphaltum, etc.	United States	110	...	...	600	...	...
For saws	United States	13	49	...	138	287	...
	United Kingdom	...	...	...	...	14	...
For cold rolled strip	United States	83	...	...	301	...	...
Shaped for agricultural implements	United States	162	...	...	738	...	...
For tubes	United States	91	...	...	208	...	...
Cold rolled -							
18 gauge and heavier	United States	511	...	78.3	4,891	1	405.8
	United Kingdom	23	...	1.3	41	...	3.1
Lighter than 18 gauge	United States	2,590	...	98.8	14,694	18	619.4
	United Kingdom	90	...	...	282	...	...
For hollow ware (vitreous enamel)	United States	461	...	...	1,013	...	...
	United Kingdom	27	...	...	108	...	...
Black plate (tin mill)	United States	2,253	...	...	10,398	...	...
Coated with paint, tar, asphaltum, etc.	United States	115	...	...	550	...	...
For heating apparatus	United States	35	...	...	104	...	...
For saws	United States	...	1	...	30	19	...
	Sweden	...	...	...	...	2	...
For tubes	United States	647	...	...	4,094	...	...
For tubular products	United States	...	...	...	213	...	...
For butt and hinges	United States	...	...	...	16	...	...
Black plate - For tinning	United States	9,423	...	...	23,958	...	...
Tin plate - Primes	United States	1,073	...	...	10,050	...	...
	United Kingdom	52	...	...	305	...	...
Seconds	United Kingdom	7	...	...	7	...	...
Electrolytic (25#) ..	United States	1,300	...	...	11,979	...	...
Electrolytic (50#) ..	United States	113	...	...	286	...	...
Terne plate - Long	United States	334	...	...	1,875	...	...
Short	United States	209	...	...	2,070	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, June and Year to Date, 1948 (Continued)

Commodity		Country of Origin	June			Year to Date		
			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)								
Strip -								
Hot rolled -								
18 gauge and heavier	United States	962	11	.6	8,051	25	16.5	
	United Kingdom	58	...	...	94	...	...
	Belgium	43	...	...	43	...	...
Lighter than 18 gauge	United States	85	...	...	901	...	...
For cold rolling	United States	299	...	...	2,791	...	...
For barrel hoops	United States	...	...	...	687	...	...
Painted	United States	467	...	...	2,355	...	...
.05¢ per pound and over	United States	...	...	...	1	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	120	...	...	429	...	...
For saws	United States	17	27	...	200	131	...	
	Sweden	...	...	...	7	...	...
For motor vehicles	United States	1,063	...	...	6,145	...	...
For butt hinges	United States	...	...	...	29	...	...
For hoops	United States	202	...	...	907	...	...
For tubes	United States	25	...	...	153	...	...
For tubular products	United States	...	...	...	96	...	...
Silicon .075 or more	United States	...	112	...	19	607	...	
Cold rolled -								
18 gauge and heavier	United States	222	3	9.6	1,445	22	99.9	
	Sweden	...	...	...	1	...	...
Lighter than 18 gauge	United States	254	...	59.4	2,824	...	368.4	
	Sweden	21	...	...	137	...	...
	United Kingdom	...	...	...	1	...	.5
Painted	United States	49	...	...	295	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	23	...	...	170	...	...
For saws	United States	...	3	...	20	45	...	
	Sweden	...	12	...	...	48	...
For tubes	United States	245	...	...	554	...	...
For tubular products	United States	53	...	...	459	...	...
For butt hinges	United States	32	...	...	443	...	...
Silicon .075 or more	United States	...	53	...	...	425	...
Galvanized strip	United States	630	...	...	3,975	...	...
Skelp -								
Over 15 3/8" in width	United States	811	...	...	2,921	...	...
15 3/8" and under	United States	4,229	...	...	24,535	...	...
	Belgium	1,224	...	...	2,430	...	...
Pipes and Tubes -								
Cast	United States	5	...	...	623	...	...
	United Kingdom	302	...	...	1,115	...	...
Bedstead	United States	...	...	...	40	...	...
Boiler and pulp-mill digesters -								
Hot finished	United States	610	4	...	4,865	36	...	
Cold drawn	United States	259	1	...	1,026	6	1.4	
Welded	United States	81	...	...	330	...	...
Seamless, 12" and under in diameter - Cold drawn								
	United States	383	7	13.5	4,188	185	92.5	
	United Kingdom	6	...	3.6	45	1	17.7	
	Sweden	...	...	...	...	...	.6
Hot finished	United States	189	...	...	1,542	6	...
	United Kingdom	...	...	...	9	...	...
Seamless, more than 12" in diameter - Cold drawn								
	United States	...	...	...	105	...	1.9
Hot finished	United States	73	...	...	576	...	...
	United Kingdom	848	...	...	2,557	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, June and Year to Date, 1948 (Continued)

Commodity	Country of Origin	J u n e			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and Tubes (Concluded) -							
Welded, 4" and under in diameter	United States	1,106	...	2.4	5,541	1	35.9
	United Kingdom	70	...	...	505	...	...
	Australia	...	...	...	21	...	...
Welded, over 4" in diameter	United States	421	...	...	1,562	...	13.4
	Belgium	...	...	...	82	...	...
	Australia	...	...	...	5	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	9	...	...	83	...	1.0
Casings	United States	2,833	...	...	6,584	...	...
Fittings and couplings	United States	256	...	2.3	1,300	...	5.9
	United Kingdom	...	...	...	6	...	...
	Belgium	...	...	...	7	...	...
Wire rope							
	United States	13	...	...	146	...	2.4
	United Kingdom	2	...	...	75	...	...
Wire -							
For wire rope	United States	2,117	...	...	11,433	...	...
	United Kingdom	45	...	...	265	...	...
For corset laces, steels, etc. .	United States	6	...	...	90	...	...
	United Kingdom	2	...	...	5	...	...
For spring mattress, etc.	United States	13	...	...	201	...	...
For fencing, galvanized	United States	...	...	...	81	...	...
Wire cloth and netting	United States	30	...	...	564	...	.7
	United Kingdom	...	...	...	50	...	...
Wire, coated	United States	12	...	...	430	...	...
Wire - All other	United States	811	...	1.0	4,432	...	11.3
Wire rods, not over 3/8" in diameter	United States	10	...	...	781	...	...
Welding rods and welding wire	United States	258	13	4.6	1,199	41	22.8
Castings -							
For agricultural implements	United States	144	...	...	583	...	...
For ingot moulds	United States	1,679	...	...	10,824	...	...
Malleable	United States	47	...	...	261	...	...
Non-malleable	United States	117	...	...	932	...	...
Steel	United States	53	17	1.9	478	39	2.2
For railway vehicles	United States	85	...	...	258	...	...
Rolls	United States	300	432	...	1,487	815	...
Piston rings (rough)	United States	1	...	...	91	...	...
Forgings							
	United States	86	54	1.3	504	140	3.6
	United Kingdom	96	...	...	177	51	...
Axles -							
For railway vehicles	United States	122	...	...	327	...	...
For all other vehicles	United States	...	...	...	51	...	...
Wheels -							
For railway rolling stock	United States	471	...	...	826	...	...
	United Kingdom	631	...	...	1,148	...	...
Tires -							
For railway rolling stock	United States	623	...	...	3,294	...	...
	United Kingdom	803	36	...	2,289	135	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, June and Year to Date, 1948 (Concluded)

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, June and Year to Date, (Tons of 2,000 pounds)							
Commodity	Country of Origin	J u n e			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Rails -							
50 pounds and under	United States	...	...	...	188	...	...
Over 60 pounds and including							
100 pounds	United States	11	...	...	193	...	...
Over 100 pounds	United States	...	...	...	16	...	...
Grooved for electric tramways ..	United States	528	...	...	2,310	...	...
Track material -							
Angle bars, tie plates, rail							
joints	United States	119	...	...	504	...	...
Intersections, switches, frogs..	United States	...	...	...	43	...	...

Table 7 - Exports from Canada of Primary Iron and Steel, June and Year to Date, 1948

	June	Year to Date
	(Tons of 2,000 pounds)	
Pig iron .....	...	...
Ingots, blooms and billets	6,345	19,325
Bars	3,941	25,138
Rods	399	904
Plates, sheets and strips	570	7,154
Rails	14,501	63,409
Structural shapes	1,550	3,146
Pipe and tubing - Wrought iron	26	930
Cast iron	26	181
Galvanized	15	132
Other	11	511
Castings, iron and steel	916	3,636
Forgings	80	370

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41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-28-9-48

Price -

10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

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DEPT. OF POLITICAL ECONOMY

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - JULY, 1948

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 206,243 net tons in July, 1948 compared with 220,351 net tons in June, 1948. The July, 1948 total included 7,764 tons of semi-finished shapes, 13,197 tons of structurals, 19,321 tons of plates, 32,845 tons of rails, 9,619 tons of tie plates and track material, 38,814 tons of hot rolled bars, 8,709 tons of pipes and tubes, 21,158 tons of wire rods, 21,170 tons of black sheets, 9,237 tons of galvanized sheets, 6,502 tons of castings, 3,053 tons of miscellaneous hot rolled products, and 14,854 tons of all other products. The amount of producers' interchange was 72,435 tons in July, 1948 and 88,372 tons in June, 1948.

Of the amount shipped for sale during July, 52,174 tons went direct to railways and railway car shops; 9,817 tons went to pressing, forming and stamping plants; 26,797 tons to merchant trade products; 23,822 tons to building construction; 15,956 tons to the containers industry; 8,098 tons to agricultural equipment; 8,803 tons to the automotive industry; 10,053 tons to machinery plants; 4,235 tons to shipbuilding; 5,485 tons to mining, lumbering, etc., and 1,836 tons to miscellaneous industries. Wholesalers and warehousing accounted for 21,921 tons and exports for 17,246 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 72,435 tons in July, 1948.

Table 1 - Production of Pig Iron in Canada, July and Year to Date, 1948

	July	Year to Date
	(Tons of 2,000 pounds)	
Basic	150,282	991,456
Foundry	22,525	133,527
Malleable	15,133	94,650
Total	187,940	1,219,633

Table 2 - Production of Steel Ingots and Castings in Canada, July and Year to Date, 1948

	J u l y		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	198,938	7,418	1,455,574	53,595
Electric	29,114	2,634	230,250	35,696
Total Ingots	228,052	10,052	1,685,824	89,291
Steel castings	5,728	1,177	54,941	10,885
Total Ingots and Castings	233,780	11,229	1,740,765	100,176

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, July, 1948

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	7,503	5,368	2,417
Other semi-finished shapes, not for re-rolling by makers	42,099	188	40,062
Structural shapes and piling	10,721	13,197	...
Plates	20,499	19,201	...
Rails	31,459	32,845	56
Tie plates and track material -			
Splice bars	1,815	3,275	...
Tie plates	5,347	5,389	...
Spikes	788	955	...
Concrete reinforcing bars	4,181	4,961	...
Hot rolled bars for cold finishing	143	44	119
Other hot rolled bars	39,330	28,419	5,197
Pipes and tubes	7,775	8,709	...
Wire rods	20,893	21,139	439
Hot rolled black sheets	20,777	17,838	7,501
Cold reduced black sheets	3,498	3,332	166
Galvanized sheets	8,089	9,237	...
Steel castings	5,728	5,517	...
Miscellaneous hot rolled products	19,080	2,782	16,218
All other products	16,030	14,670	...
Total - Carbon Steel	265,755	197,066	72,175
<u>Alloy Steel</u>			
Billets, etc., for forging	2,294	2,208	162
Other semi-finished shapes, not for re-rolling by makers	98	...	98
Structural shapes and piling .....	...	...	...
Plates	26	120	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,392	5,390	...
Pipes and tubes .....	...	...	...
Wire rods	49	19	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,177	985	...
Miscellaneous hot rolled products	235	271	...
All other products	234	184	...
Total - Alloy Steel	10,505	9,177	260

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Seven Months Ended July, 1948.

Ended July, 1948.			
	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	56,476	37,944	19,254
Other semi-finished shapes, not for re-rolling by makers	249,628	3,961	241,451
Structural shapes and piling	100,766	100,915	...
Plates	133,045	129,621	...
Rails	193,014	205,395	56
Tie plates and track material -			
Splice bars	20,688	20,903	...
Tie plates	34,888	34,907	...
Spikes	7,864	8,103	...
Concrete reinforcing bars	40,078	41,090	...
Hot rolled bars for cold finishing	5,886	44	6,214
Other hot rolled bars	320,025	253,570	64,449
Pipes and tubes	84,678	81,486	...
Wire rods	164,647	114,776	49,753
Hot rolled black sheets	171,412	128,251	52,394
Cold reduced black sheets	26,900	25,339	1,561
Galvanized sheets	58,748	59,398	297
Steel castings	54,941	52,920	...
Miscellaneous hot rolled products	151,223	29,082	122,214
All other products	120,914	121,296	...
Total - Carbon Steel	1,995,821	1,449,001	557,643
<u>Alloy Steel</u>			
Billets, etc., for forging	21,326	20,978	162
Other semi-finished shapes, not for re-rolling by makers	2,072	...	2,072
Structural shapes and piling .....	...	...	...
Plates	1,999	1,967	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	52,803	51,940	...
Pipes and tubes .....	...	...	...
Wire rods	333	348	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	10,885	10,185	...
Miscellaneous hot rolled products	2,380	2,327	...
All other products	1,923	1,884	...
Total - Alloy Steel	93,721	89,629	2,234

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, July and Year to Date, 1948

	J u l y		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Automotive industries	5,392	3,411	46,379	34,233
Agricultural, including farm machinery	7,816	282	66,801	2,051
Building construction	23,725	97	173,804	626
Containers industry	15,954	2	120,634	272
Machinery and tools	9,541	512	79,438	4,732
Merchant trade products	26,634	163	151,792	1,440
Mining, lumbering, etc.	5,082	403	40,478	4,401
National defence	14	1	185	15
Pressing, forming and stamping	9,736	81	82,589	563
Public works and utilities	1,147	9	8,545	374
Railway operating	36,592	419	226,264	2,073
Railway cars and locomotives	15,009	154	128,448	2,861
Shipbuilding	4,209	26	29,088	242
Miscellaneous and unclassified	561	104	6,504	872
Wholesalers and warehouses	21,503	418	185,316	2,246
Direct export (a) to British Empire ..	11,954	807	55,073	11,722
(b) to Other Countries ..	2,197	2,288	47,663	20,906
Total Shipped for Sale	197,066	9,177	1,449,001	89,629
Producers' interchange	72,175	260	597,643	2,234

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, July and Year to Date, 1948

Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
<u>Pig Iron -</u>							
Basic	United States	1,201	...	...	2,893	...	...
	Australia	...	...	...	234	...	...
Foundry	United States	...	...	...	1,327	...	...
Silvery	United States	...	...	...	56	...	...
Ingots	United States	2,612	...	...	16,927	19	...
Billets, blooms, slabs and sheet bars	United States	4	10	...	46	23	...
Tube rounds and tube billets	United States	1,021	...	...	6,696	...	...
<u>Bars and Sections -</u>							
Hot rolled, n.o.p.	United States	3,931	209	3.4	28,987	990	49.9
	United Kingdom	117	...	1.6	242	...	13.0
	Belgium	...	...	...	275	...	...
Hot rolled -							
For agricultural implements	United States	763	252	...	9,931	2,428	...
	United Kingdom	...	...	...	50	...	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4"	United States	93	13	...	693	112	...
	United Kingdom	5	...	...	75	...	...
Angles, channels, etc.	United States	1,013	...	.9	6,402	...	15.8
	United Kingdom	...	...	...	2	...	...
	Belgium	10	...	...	10	...	...
Structurals (bar sizes) for							
agricultural implements	United States	491	42	...	5,554	249	...
Sash or casement sections	United States	313	...	...	1,808	...	...
	United Kingdom	27	...	...	86	...	...
	Belgium	...	...	...	11	...	...
Cold rolled, n.o.p.	United States	521	7	2.7	3,151	138	44.3
	United Kingdom	1	...	...	1	...	2.4
Cold rolled, for agricultural							
implements	United States	443	15	...	3,972	25	...
Tool steel	United States	9	42	...	158	357	...
	United Kingdom	58	29	...	265	127	...
	Sweden	...	...	...	6	...	...
Structurals	United States	13,200	...	.3	107,511	33	6.7
	United Kingdom	...	...	...	695	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, July and Year to Date, 1948 (Continued)

Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates -							
78" and under in width	United States	2,136	1	14.8	19,037	17	246.5
	United Kingdom	160	...	.5	1,406	...	2.7
Over 78" and under 100" in width	United States	971	...	...	8,176	...	7.4
	United Kingdom	8	...	...	586	...	8.6
Over 100" in width	United States	302	...	...	3,750	...	36.3
	United Kingdom	...	...	...	123	...	.2
Flanged, dished or curved	United States	76	...	.8	760	...	8.0
Boiler, pulp-mill digesters	United States	810	...	22.3	3,875	12	55.2
	United Kingdom	...	...	...	63	...	...
Chequered or surface pattern ...	United States	590	...	...	4,657	...	...
Painted	United States	12	...	...	45	...	...
Sheets -							
Silicon .075 or more	United States	...	1,493	...	...	11,374	...
Galvanized	United States	611	...	...	4,890	...	...
	United Kingdom	...	...	...	156	...	...
Hot rolled -							
18 gauge and heavier	United States	3,040	...	12.2	23,787	8	151.5
	United Kingdom	...	...	9.0	...	...	18.2
Lighter than 18 gauge	United States	1,299	...	3.6	3,332	1	40.2
For hollow ware (vitreous enamel)	United States	345	...	...	2,708	...	...
.05% per pound and over	United States	...	...	...	13	...	...
Corrugated	United States	249	...	...	2,033	...	...
Coated with paint, tar, asphaltum, etc.	United States	98	...	...	698	...	...
For saws	United States	1	69	...	139	356	...
	United Kingdom	...	3	...	...	17	...
For cold rolled strip	United States	30	...	...	331	...	...
Shaped for agricultural implements	United States	132	...	...	870	...	...
For tubes	United States	...	...	...	208	...	...
Cold rolled -							
18 gauge and heavier	United States	470	...	95.3	5,361	1	501.1
	United Kingdom	...	...	...	41	...	3.1
Lighter than 18 gauge	United States	3,172	...	116.9	17,866	18	736.3
	United Kingdom	61	...	...	343	...	...
For hollow ware (vitreous enamel)	United States	105	...	...	1,118	...	...
	United Kingdom	19	...	...	127	...	...
Black plate (tin mill)	United States	1,748	...	...	12,146	...	...
Coated with paint, tar, asphaltum, etc.	United States	229	...	...	779	...	...
For heating apparatus	United States	20	...	...	124	...	...
For saws	United States	...	2	...	30	21	...
	Sweden	...	...	...	...	2	...
For tubes	United States	540	...	...	4,634	...	...
For tubular products	United States	...	...	...	213	...	...
For butt hinges	United States	...	...	...	16	...	...
Black plate - For tinning	United States	4,107	...	...	28,065	...	...
Tin plate - Primes	United States	1,706	...	...	11,756	...	...
	United Kingdom	132	...	...	437	...	...
	United Kingdom	...	...	...	7	...	...
Electrolytic (25#) ..	United States	1,678	...	...	13,657	...	...
(50#) ..	United States	...	...	...	286	...	...
Terne plate - Long	United States	277	...	...	2,152	...	...
Short	United States	254	...	...	2,324	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, July and Year to Date, 1948 (Continued)

Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Not rolled -							
18 gauge and heavier	United States	841	2	2.9	8,892	27	19.4
	United Kingdom	...	9	...	94	9	...
	Belgium	...	...	...	43	...	...
Lighter than 18 gauge	United States	93	...	...	994	...	...
For cold rolling	United States	435	...	...	3,226	...	...
For barrel hoops	United States	...	...	...	687	...	...
Painted	United States	368	...	...	2,723	...	...
.05¢ per pound and over	United States	...	...	...	1	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	74	...	...	503	...	...
For saws	United States	12	30	...	212	161	...
	Sweden	...	...	...	7	...	...
For motor vehicles	United States	1,062	...	...	7,207	...	...
For butt hinges	United States	...	...	...	29	...	...
For hoops	United States	43	...	...	950	...	...
For tubes	United States	11	...	...	164	...	...
For tubular products	United States	...	...	...	96	...	...
Silicon .075 or more	United States	...	26	...	19	633	...
Cold rolled -							
18 gauge and heavier	United States	345	6	13.2	1,790	28	113.1
	Sweden	...	...	...	1	...	...
Lighter than 18 gauge	United States	366	2	119.5	3,190	2	487.9
	United Kingdom	...	...	...	1	...	.5
	Sweden	38	...	...	175	...	...
Painted	United States	29	...	...	324	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	29	...	...	199	...	...
For saws	United States	...	13	...	20	58	...
	Sweden	1	16	...	1	64	...
For tubes	United States	95	...	...	649	...	...
For tubular products	United States	36	...	...	495	...	...
For butt hinges	United States	103	...	...	546	...	...
Silicon .075 or more	United States	...	38	...	...	463	...
Galvanized strip	United States	546	...	...	4,521	...	...
Skelp -							
Over 15 $\frac{3}{8}$ " in width	United States	...	...	...	2,921	...	...
15 $\frac{3}{8}$ " and under in width	United States	433	...	...	24,968	...	...
	Belgium	...	...	...	2,430	...	...
Pipes and Tubes -							
Cast							
	United States	5	...	...	628	...	...
	United Kingdom	663	...	...	1,778	...	...
Bedstead	United States	...	...	...	40	...	...
Boiler and pulp-mill digesters -							
Hot finished	United States	1,045	...	...	5,910	36	...
Cold drawn	United States	112	29	...	1,138	35	1.4
Welded	United States	...	...	...	330	...	...
Seamless, 12" and under in diameter - Cold drawn							
	United States	465	7	18.3	4,653	192	110.8
	United Kingdom	24	...	.9	69	1	18.6
	Sweden	...	...	...	...	...	.6
Hot finished	United States	204	...	...	1,746	6	...
	United Kingdom	...	...	...	9	...	...
Seamless, over 12" in diameter -							
Cold drawn	United States	...	...	...	105	...	1.9
Hot finished	United States	329	...	...	905	...	...
	United Kingdom	...	...	...	2,557	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, July and Year to Date, 1948 (Continued)

Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and Tubes - (Concluded)							
Welded, 4" and under in diameter.	United States	1,013	...	3.1	6,554	1	39.0
	United Kingdom	143	...	...	648	...	...
	Australia	...	...	...	21	...	...
Welded, over 4" in diameter	United States	207	...	2.4	1,769	...	15.8
	Belgium	...	...	...	82	...	...
	Australia	...	...	...	5	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	6	...	...	89	...	1.0
Casings	United States	1,859	...	...	8,443	...	...
Fittings and couplings	United States	251	...	.8	1,551	...	6.7
	United Kingdom	6	...	...	12	...	...
	Belgium	...	...	...	7	...	...
Wire rope							
	United States	73	...	.5	219	...	2.9
	United Kingdom	4	...	...	79	...	...
Wire -							
For wire rope	United States	1,262	...	...	12,695	...	...
	United Kingdom	8	...	...	273	...	...
For corset laces, steels, etc. ..	United States	14	...	...	104	...	...
	United Kingdom	...	...	...	5	...	...
For spring mattress, etc.	United States	66	...	...	267	...	...
For fencing, galvanized	United States	48	...	...	129	...	...
Wire cloth and netting	United States	93	...	.1	657	...	.8
	United Kingdom	...	...	...	50	...	...
Wire, coated	United States	53	...	...	483	...	...
Wire - All other	United States	705	...	1.4	5,137	...	12.7
Wire rods, not over 3/8" in diameter.	United States	9	...	...	790	...	...
Welding wire and welding rods	United States	138	1	59.4	1,337	42	82.2
Castings -							
For agricultural implements	United States	244	...	...	827	...	...
For ingot moulds	United States	2,382	...	...	13,206	...	...
Malleable	United States	48	...	...	309	...	...
Non-malleable	United States	163	...	...	1,095	...	...
Steel	United States	76	5	...	554	44	2.2
For railway vehicles	United States	43	...	...	301	...	...
Rolls	United States	303	206	...	1,790	1,021	...
Piston rings (rough)	United States	9	...	...	100	...	...
Forgings							
	United States	174	6	...	678	146	3.6
	United Kingdom	...	33	...	177	84	...
Axles -							
For railway vehicles	United States	16	...	...	343	...	...
For all other vehicles	United States	...	...	...	51	...	...
Wheels -							
For railway rolling stock	United States	139	...	...	965	...	...
	United Kingdom	431	...	...	1,579	...	...
Tires -							
For railway rolling stock	United States	531	...	...	3,825	...	...
	United Kingdom	143	52	...	2,432	187	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, July and Year to Date, 1948 (Concluded)

Table 3 - Imports into Canada of Railway Material for July 1913 and Year to Date							
Commodity	Country of Origin	J u l y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Rails -							
60 pounds and under	United States	3	...	...	191	...	...
Over 60 pounds and including 100 pounds	United States	15	...	...	208	...	...
Over 100 pounds	United States	25	...	...	41	...	...
Grooved for electric tramways ...	United States	370	...	...	2,680	...	...
Track material -							
Angle bars, tie plates, rail joints	United States	138	...	...	642	...	...
Intersections, switches, frogs...	United States	4	...	...	47	...	...
<hr/>							
Total Imports	United States	68,184	2,526	494.8	524,776	19,077	2,800.6
	All other	2,059	142	12.0	17,776	491	68.2
<hr/>							
TOTAL		70,243	2,668	506.8	542,552	19,568	2,868.8

Table 7 - Exports from Canada of Primary Iron and Steel, July and Year to Date, 1948

	July	Year to Date
(Tons of 2,000 pounds)		
Pig iron .....	...	...
Ingots, blooms and billets	2,227	21,552
Bars	4,544	29,682
Rods	356	1,260
Plates, sheets and strips	842	7,996
Rails	10,438	73,847
Structural shapes	1,256	4,402
Pipe and tubing - Wrought iron	44	974
Cast iron	49	230
Galvanized	13	144
Other	55	566
Castings, iron and steel	1,321	4,957
Forgings	59	428

41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-26-10-48

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Statistics
Ottawa - Canada

Dominion Statistician:
Director - Division of Census of Industry and Merchandising:
Chief - Mining, Metallurgical and Chemical Statistics:

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DEPT. OF
POLITICAL ECONOMY

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - AUGUST, 1948

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 195,105 net tons in August, 1948, compared with 206,243 net tons in July, 1948. The August, 1948 total included 5,336 tons of semi-finished shapes, 11,067 tons of structurals, 18,087 tons of plates, 24,701 tons of rails, 3,458 tons of tie plates and track material, 43,510 tons of hot rolled bars, 9,973 tons of pipes and tubes, 24,395 tons of wire rods, 18,257 tons of black sheets, 7,218 tons of galvanized sheets, 8,778 tons of castings, 4,529 tons of miscellaneous hot rolled products, and 15,796 tons of all other products. The amount of producers' interchange was 71,194 tons in August, 1948 and 72,435 tons in July, 1948.

Of the amount shipped for sale during August, 32,352 tons went direct to railways and railway car shops; 8,985 tons to pressing, forming and stamping plants; 33,743 tons to merchant trade products; 20,776 tons to building construction; 15,623 tons to the containers industry; 7,450 tons to agricultural equipment; 10,596 tons to the automotive industry; 10,832 tons to machinery plants; 4,066 tons to shipbuilding; 6,908 tons to mining, lumbering, etc., and 2,362 tons to miscellaneous industries. Wholesalers and warehousing accounted for 20,661 tons and exports for 20,751 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 71,194 tons in August, 1948.

Table 1 - Production of Pig Iron in Canada, August and Year to Date, 1948

	August	Year to Date
	(Tons of 2,000 pounds)	
Basic	157,904	1,149,360
Foundry	21,159	154,686
Malleable	12,320	106,970
Total	191,383	1,411,016

Table 2 - Production of Steel Ingots and Castings in Canada, August and Year to Date, 1948

	A u g u s t		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	213,685	2,465	1,669,259	56,060
Electric	38,211	9,989	268,461	45,685
Total Ingots	251,896	12,454	1,937,720	101,745
Steel castings	7,181	1,486	62,122	12,371
Total Ingots and Castings	259,077	13,940	1,999,842	114,116

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, August, 1948

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	9,311	3,288	5,758
Other semi-finished shapes, not for re-rolling by makers	44,398	3	34,942
Structural shapes and piling	11,661	11,067	...
Plates	18,486	17,928	...
Rails	22,762	24,701	...
Tie plates and track material -			
Splice bars	1,160	1,282	...
Tie plates	1,237	1,180	...
Spikes	968	996	...
Concrete reinforcing bars	6,752	5,588	...
Hot rolled bars for cold finishing	1,703	...	1,675
Other hot rolled bars	31,964	32,309	3,610
Pipes and tubes	10,627	9,973	...
Wire rods	24,494	24,360	181
Hot rolled black sheets	22,188	15,602	7,276
Cold reduced black sheets	2,905	2,655	250
Galvanized sheets	8,218	7,218	...
Steel castings	7,181	7,380	...
Miscellaneous hot rolled products	21,450	4,185	17,259
All other products	15,325	15,473	4
Total - Carbon Steel	262,790	185,188	70,955
<u>Alloy Steel</u>			
Billets, etc., for forging	2,106	2,045	...
Other semi-finished shapes, not for re-rolling by makers	239	...	239
Structural shapes and piling .....	...	...	...
Plates	179	159	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	4,712	5,613	...
Pipes and tubes .....	...	...	...
Wire rods	40	35	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,486	1,398	...
Miscellaneous hot rolled products	344	344	...
All other products	306	323	...
Total - Alloy Steel	9,412	9,917	239

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Eight Months Ended August, 1948

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	65,787	41,232	25,012
Other semi-finished shapes, not for re-rolling by makers	294,026	3,964	276,393
Structural shapes and piling	112,427	111,982	...
Plates	151,531	147,549	...
Rails	215,776	230,096	56
Tie plates and track material -			
Splice bars	21,848	22,185	...
Tie plates	36,125	36,087	...
Spikes	8,832	9,099	...
Concrete reinforcing bars	46,830	46,678	...
Hot rolled bars for cold finishing	7,589	44	7,889
Other hot rolled bars	351,989	285,879	68,059
Pipes and tubes	95,305	91,459	...
Wire rods	189,141	139,136	49,934
Hot rolled black sheets	193,600	143,853	59,670
Cold reduced black sheets	29,805	27,994	1,811
Galvanized sheets	66,966	66,616	297
Steel castings	62,122	60,300	...
Miscellaneous hot rolled products	172,673	33,267	139,473
All other products	136,239	136,769	4
Total - Carbon Steel	2,258,611	1,634,189	628,598
<u>Alloy Steel</u>			
Billets, etc., for forging	23,432	23,023	162
Other semi-finished shapes, not for re-rolling by makers	2,311	...	2,311
Structural shapes and piling .....	...	...	...
Plates	2,178	2,126	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	57,515	57,553	...
Pipes and tubes .....	...	...	...
Wire rods	373	383	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	12,371	11,583	...
Miscellaneous hot rolled products	2,724	2,671	...
All other products	2,229	2,207	...
Total - Alloy Steel	103,133	99,785	2,473

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, August and Year to Date, 1948

	A u g u s t		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Automotive industries	7,159	3,437	53,538	37,670
Agricultural, including farm machinery	6,999	451	73,800	2,502
Building construction	20,604	172	194,408	798
Containers industry	15,620	3	136,254	275
Machinery and tools	9,841	991	89,279	5,723
Merchant trade products	33,448	295	185,240	1,735
Mining, lumbering, etc.	6,514	394	46,992	4,795
National defence	14	4	199	19
Pressing, forming and stamping	8,925	60	91,514	623
Public works and utilities	1,364	13	9,909	387
Railway operating	16,445	254	242,709	2,327
Railway cars and locomotives	15,555	98	144,003	2,959
Shipbuilding	3,980	86	33,068	328
Miscellaneous and unclassified	835	132	7,339	1,004
Wholesalers and warehouses	20,395	266	205,711	2,512
Direct export (a) to British Empire ..	16,509	1,839	71,582	13,561
(b) to other countries .	981	1,422	48,644	22,328
Total Shipped for Sale	185,188	9,917	1,634,189	99,546
Producers' interchange	70,955	239	668,598	2,473

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, August and Year to Date, 1948

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Basic	United States	...	...	...	2,893	...	...
	Australia	...	...	...	234	...	...
Foundry	United States	...	...	...	1,327	...	...
Silvery	United States	29	...	...	85	...	...
Ingots	United States	3,281	...	...	20,208	19	...
Billets, blooms, slabs and sheet bars	United States	4	10	...	50	33	...
Tube rounds and tube billets	United States	3,267	...	...	9,963	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	2,818	371	5.6	31,805	1,361	55.5
	United Kingdom	18	...	...	260	...	13.0
	Belgium	199	...	...	474	...	...
Hot rolled -							
For agricultural implements	United States	1,356	340	...	11,287	2,768	...
	United Kingdom	...	...	...	50	...	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4" ..	United States	114	24	...	(x) 777	136	...
	United Kingdom	...	...	...	75	...	.3
Angles, channels, etc.	United States	548	...	5.4	6,950	...	21.2
	United Kingdom	...	...	...	2	...	...
	Belgium	109	...	...	119	...	...
Structurals (bar sizes) for							
agricultural implements	United States	438	208	...	5,992	457	...
Sash or casement sections	United States	185	...	...	1,993	...	...
	United Kingdom	...	...	...	86	...	...
	Belgium	...	...	...	11	...	...
Cold rolled, n.o.p.	United States	472	10	5.7	3,623	148	50.0
	United Kingdom	...	...	.6	1	...	3.0
	Germany	...	4	...	...	4	...
Cold rolled, for agricultural							
implements	United States	645	4	...	4,617	29	...
Tool steel	United States	8	57	...	166	414	...
	United Kingdom	23	21	...	288	148	...
	Sweden	...	...	...	6	...	...
Structurals	United States	9,206	25	...	116,717	58	6.7
	United Kingdom	5	...	...	700	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, August and Year to Date, 1948 (Continued)

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates -							
78" and under in width	United States	1,764	6	13.4	20,801	23	259.9
	United Kingdom	167	...	2.3	1,573	...	5.0
Over 78" and under 100" in width	United States	1,119	...	...	9,295	...	7.4
	United Kingdom	47	...	...	633	...	8.6
Over 100" in width	United States	356	...	...	4,106	...	36.3
	United Kingdom	...	...	...	123	...	.2
Flanged, dished or curved	United States	70	...	.5	830	...	8.5
Boiler, pulp-mill digesters	United States	484	...	3.5	4,359	12	58.7
	United Kingdom	...	...	...	63	...	...
Chequered or surface pattern ...	United States	451	...	...	5,108	...	...
Painted	United States	25	...	...	70	...	...
Sheets -							
Silicon .075 or more	United States	...	1,276	...	...	12,650	...
Galvanized	United States	543	...	...	5,433	...	...
	United Kingdom	63	...	...	219	...	...
Hot rolled -							
18 gauge and heavier	United States	2,691	...	7.2	26,478	8	158.7
	United Kingdom	...	...	...	...	...	18.2
Lighter than 18 gauge	United States	557	...	1.8	3,889	1	42.0
For hollow ware (vitreous enamel)	United States	43	...	...	2,751	...	...
.05% per pound and over	United States	...	...	...	13	...	...
Corrugated	United States	131	...	...	2,164	...	...
Coated with paint, tar, asphaltum, etc.	United States	69	...	...	767	...	...
For saws	United States	...	24	...	139	380	...
	United Kingdom	...	2	...	...	19	...
For cold rolled strip	United States	59	...	...	390	...	...
Shaped for agricultural implements	United States	739	...	...	1,609	...	...
For tubes	United States	...	...	...	208	...	...
Cold rolled -							
18 gauge and heavier	United States	926	...	56.9	6,287	1	558.0
	United Kingdom	...	...	26.0	41	...	29.1
	Belgium	110	...	...	110	...	...
Lighter than 18 gauge	United States	1,953	...	97.3	19,819	18	833.6
	United Kingdom	...	...	...	343	...	...
For hollow ware (vitreous enamel)	United States	219	...	...	1,337	...	...
	United Kingdom	172	...	...	299	...	...
Black plate (tin mill)	United States	1,010	...	...	13,156	...	...
Coated with paint, tar, asphaltum, etc.	United States	95	...	...	874	...	...
For heating apparatus	United States	22	...	...	146	...	...
For saws	United States	...	...	...	30	21	...
	Sweden	...	...	...	...	2	...
For tubes	United States	247	...	...	4,881	...	...
For tubular products	United States	5	...	...	218	...	...
For butt and hinges	United States	...	...	...	16	...	...
Black plate - For tinning	United States	2,267	...	...	30,332	...	...
Tin Plate - Primes	United States	2,512	...	...	14,268	...	...
	United Kingdom	24	...	...	461	...	...
Seconds	United Kingdom	...	...	...	7	...	...
Electrolytic (25#) ..	United States	2,296	...	...	15,953	...	...
Electrolytic (50#) ..	United States	217	...	...	503	...	...
Terne plate - Long	United States	434	...	...	2,586	...	...
Short	United States	55	...	...	2,379	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, August and Year to Date, 1948 (Continued)

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	United States	672	16	2.9	9,564	43	22.3
	United Kingdom	...	...	...	94	9	...
	Belgium	31	...	...	74	...	...
Lighter than 18 gauge	United States	68	...	.2	1,062	...	.2
For cold rolling	United States	407	...	...	3,633	...	...
For barrel hoops	United States	...	...	...	687	...	...
Painted	United States	406	...	...	3,129	...	...
.05¢ per pound and over	United States	...	...	...	1	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	171	...	...	674	...	...
For saws	United States	37	41	...	249	202	...
	Sweden	...	...	...	7	...	...
For motor vehicles	United States	775	...	...	7,982	...	...
For butt hinges	United States	...	...	...	29	...	...
For hoops	United States	154	...	...	1,104	...	...
For tubes	United States	...	...	...	164	...	...
For tubular products	United States	58	...	...	154	...	...
Silicon .075 or more	United States	...	54	...	19	687	...
Cold rolled -							
18 gauge and heavier	United States	210	...	17.3	2,000	28	130.4
	Sweden	...	...	...	1	...	...
Lighter than 18 gauge	United States	394	...	51.0	3,584	2	538.9
	Sweden	1	...	...	176	...	...
	United Kingdom	6	...	...	7	...	.5
Painted	United States	73	...	...	397	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	27	...	...	226	...	...
For saws	United States	1	2	...	21	60	...
	Sweden	...	...	...	1	64	...
For tubes	United States	24	...	...	673	...	...
For tubular products	United States	63	...	...	558	...	...
For butt hinges	United States	71	...	...	617	...	...
Silicon .075 or more	United States	...	60	...	...	523	...
Galvanized strip	United States	904	...	...	5,425	...	...
Skelp -							
Over 15 3/8" in width	United States	1,594	...	...	4,515	...	...
15 3/8" and under in width	United States	3,076	...	...	28,044	...	...
	Belgium	...	...	...	2,430	...	...
Pipes and Tubes -							
Cast							
	United States	4	...	...	632	...	...
	United Kingdom	205	...	...	1,983	...	...
Bedstead	United States	22	...	...	62	...	...
Boiler and pulp-mill digesters -							
Hot finished	United States	1,134	...	...	7,044	36	...
Cold drawn	United States	121	2	1.6	1,259	37	3.0
Welded	United States	77	...	...	407	...	...
Seamless, 12" and under in diameter - Cold drawn							
	United States	482	70	8.2	5,135	262	119.0
	United Kingdom	7	...	1.3	76	1	19.9
	Sweden	...	...	...	...	...	.6
Hot finished	United States	170	...	...	1,916	6	...
	United Kingdom	...	...	...	9	...	...
Seamless, over 12" in diameter -							
Cold drawn	United States	...	...	...	105	...	1.9
Hotfinished	United States	229	...	...	1,134	...	...
	United Kingdom	832	...	...	3,389	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, August and Year to Date, 1948 (Continued)

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and Tubes - (Concluded)							
Welded, 4" and under in diameter.	United States	1,253	...	1.0	7,807	1	40.0
	United Kingdom	109	...	...	757	...	...
	Australia	...	...	...	21	...	...
Welded, over 4" in diameter	United States	107	...	...	1,876	...	15.8
	Belgium	...	...	...	82	...	...
	Australia	...	...	...	5	...	...
Tubing -							
Not over ½" diameter, welded and coated	United States	27	...	...	116	...	1.0
Casings	United States	1,816	...	...	10,259	...	...
Fittings and couplings	United States	161	...	.4	1,712	...	7.1
	United Kingdom	...	...	...	12	...	...
	Belgium	...	...	...	7	...	...
Wire rope							
	United States	17	...	...	236	...	2.9
	United Kingdom	24	...	...	103	...	...
Wire -							
For wire rope	United States	1,740	...	...	14,435	...	...
	United Kingdom	4	...	...	277	...	...
For corset laces, steels, etc. ..	United States	14	...	...	118	...	...
	United Kingdom	...	...	...	5	...	...
For spring mattress, etc.	United States	67	...	...	334	...	...
For fencing, galvanized	United States	42	...	...	171	...	...
Wire cloth and netting	United States	34	...	...	691	...	.8
	United Kingdom	...	...	...	50	...	...
Wire, coated	United States	23	...	...	506	...	...
Wire - All other	United States	487	...	6.5	5,624	...	19.2
Wire rods, not over ¾" in diameter.	United States	14	...	...	804	...	...
Welding rods and welding wire	United States	69	...	1.2	1,406	42	83.4
Castings -							
For agricultural implements	United States	161	...	...	988	...	...
For ingot moulds	United States	2,277	...	...	15,483	...	...
Malleable	United States	23	...	...	332	...	...
Non-malleable	United States	80	...	...	1,175	...	...
Steel	United States	159	3	...	713	47	2.2
For railway vehicles	United States	112	...	...	413	...	...
Rolls	United States	122	125	...	1,912	1,146	...
Piston rings (rough)	United States	24	...	...	124	...	...
Forgings							
	United States	106	1	5.9	784	147	9.5
	United Kingdom	...	...	...	177	84	...
Axles -							
For railway vehicles	United States	38	...	...	381	...	...
For all other vehicles	United States	...	...	...	51	...	...
Wheels -							
For railway rolling stock	United States	71	...	...	1,036	...	...
	United Kingdom	590	...	...	2,169	...	...
Tires -							
For railway rolling stock	United States	347	...	...	4,172	...	...
	United Kingdom	632	10	...	3,064	197	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, August and Year to Date, 1948 (Concluded)

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Rails -							
60 pounds and under	United States	45	...	...	236	...	...
Over 60 pounds and including							
100 pounds	United States	65	...	...	273	...	...
Over 100 pounds	United States	2	...	...	43	...	...
Grooved for electric tramways ...	United States	...	...	...	2,680	...	...
Track material -							
Angle bars, tie plates, rail							
joints	United States	98	...	...	740	...	...
Intersections, switches, frogs ..	United States	17	...	...	64	...	...
Total Imports	United States	64,772	2,729	293.5	589,548	21,806	3,094.1
	All other	3,378	37	30.2	21,154	528	98.4
TOTAL		68,150	2,766	323.7	610,702	22,334	3,192.5

(x) July cumulative revised.

Table 7 - Exports from Canada of Primary Iron and Steel, August and Year to Date, 1948

	August	Year to Date
(Tons of 2,000 pounds)		
Pig iron	215	215
Ingots, blooms and billets	2,514	24,066
Bars	2,159	31,841
Rods .....	...	1,260
Plates, sheets and strips	490	8,486
Rails	7,993	81,840
Structural shapes	2,105	6,507
Pipe and tubing - Wrought iron	52	1,026
Cast iron	166	396
Galvanized	497	641
Other	115	680
Castings, iron and steel	368	5,325
Forgings .....	...	429

DEPT. OF
POLITICAL ECONOMY
41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-1-12-48

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Section
Ottawa - Canada

Dominion Statistician:	Herbert Marshall
Director - Industry and Merchandising Division:	W. H. Losee
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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - SEPTEMBER, 1948

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 220,492 net tons in September, 1948 compared with 195,105 net tons in August, 1948. The September, 1948 total included 7,864 tons of semi-finished shapes, 18,586 tons of structurals, 18,734 tons of plates, 25,098 tons of rails, 5,706 tons of tie plates and track material, 46,134 tons of hot rolled bars, 12,574 tons of pipes and tubes, 25,477 tons of wire rods, 20,379 tons of black sheets, 7,137 tons of galvanized sheets, 9,202 tons of castings, 5,142 tons of miscellaneous hot rolled products, and 18,459 tons of all other products. The amount of producers' interchange was 73,300 tons in September, 1948 and 71,194 tons in August, 1948.

Of the amount shipped for sale during September, 37,455 tons went direct to railways and railway car shops; 11,130 tons went to pressing, forming and stamping plants; 30,917 tons to merchant trade products; 27,456 tons to building construction; 17,105 tons to the containers industry; 8,750 tons to agricultural equipment; 11,046 tons to the automotive industry; 10,784 tons to machinery plants; 3,625 tons to shipbuilding; 7,606 tons to mining, lumbering, etc., and 2,583 tons to miscellaneous industries. Wholesalers and warehousing accounted for 29,199 tons and exports for 22,836 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 73,300 tons in September, 1948.

Table 1 - Production of Pig Iron in Canada, September and Year to Date, 1948

	September	Year to Date
	(Tons of 2,000 pounds)	
Basic	145,281	1,294,641
Foundry	20,635	175,321
Malleable	16,549	123,519
Total	182,465	1,593,481

Table 2 - Production of Steel Ingots and Castings in Canada, September and Year to Date, 1948

	September		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	203,555	7,511	1,872,814	63,571
Electric	32,437	5,119	300,898	50,804
Total Ingots	235,992	12,630	2,173,712	114,375
Steel castings	7,552	1,692	69,674	14,063
Total Ingots and Castings	243,544	14,322	2,243,386	128,438

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, September, 1948

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	9,328	5,625	4,277
Other semi-finished shapes, not for re-rolling by makers	37,482	91	39,442
Structural shapes and piling	20,286	18,586	...
Plates	19,403	18,562	...
Rails	30,815	25,098	...
Tie plates and track material -			
Splice bars	33	56	...
Tie plates	4,835	4,478	...
Spikes	1,394	1,172	...
Concrete reinforcing bars	6,779	6,840	...
Hot rolled bars for cold finishing	727	...	749
Other hot rolled bars	42,266	32,470	7,422
Pipes and tubes	13,983	12,574	...
Wire rods	25,299	25,412	147
Hot rolled black sheets	26,120	17,205	5,032
Cold reduced black sheets	3,530	3,174	356
Galvanized sheets	7,240	7,137	...
Steel castings	7,552	7,652	...
Miscellaneous hot rolled products	20,183	4,738	15,643
All other products	16,144	18,255	...
Total - Carbon Steel	293,399	209,125	73,068
<u>Alloy Steel</u>			
Billets, etc., for forging	2,287	2,148	...
Other semi-finished shapes, not for re-rolling by makers	232	...	232
Structural shapes and piling .....	...	...	...
Plates	147	172	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,202	6,824	...
Pipes and tubes .....	...	...	...
Wire rods	66	65	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,692	1,550	...
Miscellaneous hot rolled products	449	404	...
All other products	209	204	...
Total - Alloy Steel	12,284	11,367	232

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Nine Months Ended September, 1948

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	75,115	46,857	29,289
Other semi-finished shapes, not for re-rolling by makers	331,508	4,055	315,835
Structural shapes and piling	132,713	130,568	...
Plates	170,934	166,111	...
Rails	246,591	255,194	56
Tie plates and track material -			
Splice bars	21,881	22,241	...
Tie plates	40,960	40,565	...
Spikes	10,226	10,271	...
Concrete reinforcing bars	53,609	53,518	...
Hot rolled bars for cold finishing	8,316	44	8,638
Other hot rolled bars	394,255	318,349	75,481
Pipes and tubes	109,288	104,033	...
Wire rods	214,440	164,548	50,081
Hot rolled black sheets	225,557	161,058	64,702
Cold reduced black sheets	33,335	31,168	2,167
Galvanized sheets	74,206	73,753	297
Steel castings	69,674	67,952	...
Miscellaneous hot rolled products	192,856	38,005	155,116
All other products	152,383	155,024	4
Total - Carbon Steel	2,557,847	1,843,314	701,666
<u>Alloy Steel</u>			
Billets, etc., for forging	25,719	25,171	162
Other semi-finished shapes, not for re-rolling by makers	2,543	...	2,543
Structural shapes and piling .....	...	...	...
Plates	2,325	2,298	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	64,717	64,377	...
Pipes and tubes .....	...	...	...
Wire rods	439	448	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	14,063	13,133	...
Miscellaneous hot rolled products	3,173	3,075	...
All other products	2,438	2,411	...
Total - Alloy Steel	115,417	110,913	2,705

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, September and Year to Date, 1948

	S e p t e m b e r		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Automotive industries	6,096	4,950	59,634	42,620
Agricultural, including farm machinery	8,146	604	81,946	3,106
Building construction	27,383	73	221,791	871
Containers industry	17,103	2	153,357	277
Machinery and tools	10,150	634	99,429	6,357
Merchant trade products	30,615	302	215,855	2,037
Mining, lumbering, etc.	7,134	472	54,126	5,267
National defence	5	17	204	36
Pressing, forming and stamping	11,069	61	102,583	684
Public works and utilities	1,592	8	11,501	395
Railway operating	19,993	222	262,702	2,549
Railway cars and locomotives	17,063	177	161,066	3,136
Shipbuilding	3,591	34	36,659	362
Miscellaneous and unclassified	828	133	8,167	1,137
Wholesalers and warehouses	28,679	520	234,390	3,032
Direct export (a) to British Empire ..	17,426	2,105	89,008	15,666
(b) to Other Countries .	2,252	1,053	50,896	23,381
Total Shipped for Sale	209,125	11,367	1,843,314	110,913
Producers' interchange	73,068	232	741,666	2,705

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, September and Year to Date, 1948

Table 5 - Imports into Canada of Primary Forms of Iron and Steel, September and Year to Date, 1948							
Commodity	Country of Origin	S e p t e m b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	57	...	...	2,950	...	...
	Australia	...	...	...	234	...	...
Foundry	United States	...	...	...	1,327	...	...
Silvery	United States	...	...	...	85	...	...
Ingots	United States	4,283	12	...	24,491	31	...
Billets, blooms, slabs and sheet bars	United States	5	...	...	55	33	...
Tube rounds and tube billets	United States	1,030	...	...	10,993	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	3,754	160	11.8	35,559	1,521	67.3
	United Kingdom	23	...	2.2	283	...	15.2
	Belgium	43	...	...	517	...	...
Hot rolled -							
For agricultural implements	United States	1,472	124	...	12,759	2,892	...
	United Kingdom	...	...	...	50	...	...
Rounds over 4 $\frac{7}{8}$ " , squares over 4"	United States	33	32	...	810	168	...
	United Kingdom	14	...	...	89	...	.3
Angles, channels, etc.	United States	507	...	.9	7,457	...	22.1
	United Kingdom	...	...	...	2	...	...
	Belgium	452	...	...	571	...	...
Structurals (bar sizes) for agricultural implements	United States	1,489	69	...	7,481	526	...
Sash or casement sections	United States	188	...	...	2,181	...	...
	United Kingdom	...	...	...	86	...	...
	Belgium	...	...	...	11	...	...
Cold rolled, n.o.p.	United States	571	11	11.6	4,194	159	61.6
	United Kingdom	...	...	.1	1	...	3.1
	Germany	...	...	...	...	4	...
Cold rolled, for agricultural implements	United States	568	...	...	5,185	29	...
Tool steel	United States	19	47	...	185	461	...
	United Kingdom	67	17	...	355	165	...
	Sweden	...	...	...	6	...	...
Structurals	United States	9,669	...	...	126,386	58	6.7
	United Kingdom	...	...	...	700	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, September and Year to Date, 1948 (Con.)

Commodity	Country of Origin	S e p t e m b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates -							
78" and under in width	United States	2,065	2	8.2	22,866	25	268.1
	United Kingdom	303	...	5.1	1,876	...	10.1
Over 78" and under 100" in width	United States	412	...	10.2	9,707	...	17.6
	United Kingdom	14	...	...	647	...	8.6
Over 100" in width	United States	508	...	...	4,614	...	36.3
	United Kingdom	...	...	...	123	...	.2
Flanged, dished or curved	United States	68	...	...	898	...	8.5
Boiler, pulp-mill digesters	United States	583	...	6.3	4,942	12	65.0
	United Kingdom	...	...	...	63	...	...
Chequered or surface pattern ...	United States	615	...	...	5,723	...	...
Painted	United States	9	...	...	79	...	...
Sheets -							
Silicon .075 or more	United States	...	1,347	...	...	13,997	...
Galvanized	United States	381	...	...	5,814	...	...
	United Kingdom	26	...	...	245	...	...
Hot rolled							
18 gauge and heavier	United States	2,751	...	10.7	29,229	8	169.4
	United Kingdom	...	...	5.9	...	...	24.1
Lighter than 18 gauge	United States	1,226	...	1.2	5,115	1	43.2
For hollow ware (vitreous enamel)	United States	19	...	...	2,770	...	...
.05% per pound and over	United States	...	...	...	13	...	...
Corrugated	United States	445	...	...	2,609	...	...
Coated with paint, tar, asphaltum, etc.	United States	66	...	...	833	...	...
For saws	United States	1	43	...	140	423	...
	United Kingdom	...	...	...	...	19	...
For cold rolled strip	United States	343	...	...	733	...	...
Shaped for agricultural implements	United States	293	...	...	1,902	...	...
For tubes	United States	3	...	...	211	...	...
Cold rolled -							
18 gauge and heavier	United States	658	...	51.7	6,945	1	609.7
	United Kingdom	4	...	...	45	...	29.1
	Belgium	...	...	...	110	...	...
Lighter than 18 gauge	United States	2,908	...	117.2	22,727	18	950.8
	United Kingdom	33	...	...	376	...	...
For hollow ware (vitreous enamel)	United States	698	...	...	2,035	...	...
	United Kingdom	224	...	...	523	...	...
Black plate -- tin mill	United States	1,605	...	...	14,761	...	...
waste waste ...	United States	27	...	...	27	...	...
Coated with paint, tar, asphaltum, etc.	United States	51	...	...	925	...	...
For heating apparatus	United States	17	...	...	163	...	...
For saws	United States	...	...	...	30	21	...
	Sweden	...	...	...	...	2	...
For tubes	United States	1,047	...	...	5,928	...	...
For tubular products	United States	53	...	...	271	...	...
For butt hinges	United States	43	...	...	59	...	...
Black plate - For tinning	United States	2,757	...	...	33,039	...	...
Tin plate - Primes	United States	3,383	...	...	17,651	...	...
	United Kingdom	37	...	...	498	...	...
Seconds	United Kingdom	...	...	...	7	...	...
Electrolytic (25#) ..	United States	1,716	...	...	17,669	...	...
(50#) ..	United States	16	...	...	519	...	...
Terne plate - Long	United States	245	...	...	2,831	...	...
Short	United States	...	...	...	2,379	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, September and Year to Date, 1948 (Con.)

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, September and Year to Date 1942		S e p t e m b e r			Year to Date		
Commodity	Country of Origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,319	6	1.8	10,883	49	24.1
	Sweden	2	...	...	2	...	...
	United Kingdom	22	...	...	116	9	...
	Belgium	471	...	...	545	...	...
Lighter than 18 gauge	United States	122	...	...	1,184	...	.2
	United Kingdom	1	...	...	1	...	...
For cold rolling	United States	316	...	...	3,949	...	...
For barrel hoops	United States	...	...	...	687	...	...
Painted	United States	478	...	...	3,607	...	...
.05¢ per pound and over	United States	...	...	...	1	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	85	...	...	759	...	...
For saws	United States	20	24	...	269	226	...
	Sweden	...	...	...	7	...	...
For motor vehicles	United States	954	...	...	8,936	...	...
For butt hinges	United States	121	...	...	150	...	...
For hoops	United States	94	...	...	1,198	...	...
For tubes	United States	8	...	...	172	...	...
For tubular products	United States	...	...	...	154	...	...
Silicon .075 or more	United States	...	95	...	19	782	...
Cold rolled -							
18 gauge and heavier	United States	412	...	10.3	2,412	28	140.7
	Sweden	...	...	...	1	...	...
	United Kingdom	2	...	...	2	...	...
Lighter than 18 gauge	United States	403	...	87.9	3,987	2	626.8
	United Kingdom	3	...	...	10	...	.5
	Sweden	6	...	...	182	...	...
Painted	United States	35	...	...	432	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	27	...	...	253	...	...
For saws	United States	...	17	...	21	77	...
	Sweden	...	2	...	1	66	...
For tubes	United States	49	...	...	722	...	...
For tubular products	United States	105	...	...	663	...	...
For butt hinges	United States	73	...	...	690	...	...
Silicon .075 or more	United States	...	84	...	...	607	...
Galvanized strip	United States	615	...	...	6,040	...	...
Skelp -							
Over 15 ³ / ₈ " in width	United States	...	...	...	4,515	...	...
15 ³ / ₈ " and under in width	United States	6,635	...	...	34,679	...	...
	Belgium	1,327	...	...	3,757	...	...
Pipes and Tubes -							
Cast	United States	8	...	...	640	...	...
	United Kingdom	679	...	...	2,662	...	...
Bedstead	United States	...	...	...	62	...	...
Boiler and pulp-mill digesters -							
Hot finished	United States	883	...	...	7,927	36	...
Cold drawn	United States	216	9	...	1,475	46	3.0
Welded	United States	2	...	...	409	...	...
Welded for oil refinery	United States	2	...	...	2	...	...
Seamless, 12" and under in diameter - Cold drawn							
	United States	402	4	8.1	5,537	266	127.1
	United Kingdom	15	...	2.9	91	1	22.8
	Sweden	...	...	...	...	...	.6
Hot finished	United States	157	...	...	2,073	6	...
	United Kingdom	...	...	...	9	...	...
Seamless, over 12" in diameter -							
Cold drawn	United States	...	...	...	105	...	1.9
Hot finished	United States	131	...	...	1,265	...	...
	United Kingdom	1,701	...	...	5,090	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, September and Year to Date, 1948 (Con.)

Commodity	Country of Origin	S e p t e m b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and Tubes - (Concluded)							
Welded, 4" and under in diameter	United States	1,246	...	7.2	9,053	1	47.2
	United Kingdom	301	...	...	1,058	...	...
	Australia	...	...	...	21	...	...
Welded, over 4" in diameter	United States	754	...	...	2,630	...	15.8
	Belgium	...	...	...	82	...	...
	Australia	...	...	...	5	...	...
Tubing -							
Not over ½" diameter, welded and coated	United States	25	...	...	141	...	1.0
Casings	United States	2,111	...	...	12,370	...	...
Fittings and couplings	United States	184	...	1.4	1,896	...	8.5
	United Kingdom	...	...	...	12	...	...
	Belgium	...	...	...	7	...	...
Wire rope							
	United States	64	...	...	300	...	2.9
	United Kingdom	3	...	...	106	...	...
Wire -							
For wire rope	United States	2,123	...	.2	16,558	...	.2
	United Kingdom	49	...	...	326	...	...
For corset laces, steels, etc. .	United States	12	...	...	130	...	...
	United Kingdom	...	...	...	5	...	...
For spring mattress, etc.	United States	241	...	...	575	...	...
For fencing, galvanized	United States	...	...	...	171	...	...
Wire cloth and netting	United States	79	...	...	770	...	.8
	United Kingdom	1	...	...	51	...	...
Wire, coated	United States	106	...	...	612	...	...
Wire - All other	United States	577	...	2.8	6,201	...	22.0
	Sweden	5	...	...	5	...	...
Wire rods, not over ¾" in diameter	United States	37	...	...	841	...	...
Welding wire and welding rods	United States	112	13	8.7	1,518	55	92.1
Castings -							
For agricultural implements	United States	138	...	...	1,126	...	...
For ingot moulds	United States	1,940	...	...	17,423	...	...
Malleable	United States	32	...	...	364	...	...
Non-malleable	United States	80	...	...	1,255	...	...
Steel	United States	44	3	...	757	50	2.2
For railway vehicles	United States	22	...	...	435	...	...
Rolls	United States	173	39	...	2,085	1,185	...
	United Kingdom	1	...	...	1	...	...
Piston rings (rough)	United States	2	...	...	126	...	...
Forgings							
	United States	23	37	.3	807	184	9.8
	United Kingdom	...	58	...	177	142	...
Axles -							
For railway vehicles	United States	...	...	...	381	...	...
For all other vehicles	United States	...	...	...	51	...	...
Wheels -							
For railway rolling stock	United States	235	...	...	1,271	...	...
	United Kingdom	957	...	...	3,126	...	...
Tires -							
For railway rolling stock	United States	88	...	...	4,260	...	...
	United Kingdom	439	...	...	3,503	197	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, September and Year to Date, 1948
(Concluded)

Commodity	Country of Origin	(Concluded)			Year to Date		
		S e p t e m b e r			Carbon	Alloy	Stain- less
		Carbon	Alloy	Stain- less			
(Tons of 2,000 pounds)							
Rails -							
60 pounds and under	United States	33	...	...	269	...	...
Over 60 pounds and including							
100 pounds	United States	57	...	...	330	...	...
Over 100 pounds	United States	9	...	...	52	...	...
Grooved for electric tramways.	United States	...	...	...	2,680	...	...
Track material -							
Angle bars, tie plates, rail							
joints	United States	147	...	...	887	...	...
Intersections, switches, frogs	United States	5	...	...	69	...	...
Total Imports	United States	73,028	2,178	358.5	662,576	23,984	3452.6
	All other	7,225	77	16.2	28,379	605	114.6
TOTAL		80,253	2,255	374.7	690,955	24,589	3567.2

Table 7 - Exports from Canada of Primary Iron and Steel, September and Year to Date, 1948

	September	Year to Date
(Tons of 2,000 pounds)		
Pig iron	229	444
Ingots, blooms and billets	3,335	27,401
Bars	2,695	34,536
Rods	353	1,613
Plates, sheets and strips	3,564	12,050
Rails	20,029	101,869
Structural shapes	247	6,754
Pipe and tubing - Wrought iron	74	1,100
Cast iron	54	450
Galvanized	743	1,385
Other	44	725
Castings, iron and steel	585	5,910
Forgings	27	456

41-001

PUBLISHED BY AUTHORITY OF THE RT. HON C. D. HOWE, M.P.
Minister of Trade and Commerce

MC28-7-1-49

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Section
Ottawa - Canada

Dominion Statistician:

Herbert Marshall

Director - Industry and Merchandising Division:

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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA, OCTOBER, 1948

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 236,424 net tons in October, 1948, compared with 220,492 net tons in September, 1948. The October, 1948 total included 7,860 tons of semi-finished shapes, 17,447 tons of structurals, 22,733 tons of plates, 28,379 tons of rails, 4,046 tons of tie plates and track material, 56,201 tons of hot rolled bars, 13,833 tons of pipes and tubes, 24,241 tons of wire rods, 23,070 tons of black sheets, 9,203 tons of galvanized sheets, 9,091 tons of castings, 4,536 tons of miscellaneous hot rolled products, and 15,784 tons of all other products. The amount of producers' interchange was 78,127 tons in October, 1948 and 73,300 tons in September, 1948.

Of the amount shipped for sale during October, 43,038 tons went direct to railways and railway car shops, 12,085 tons to pressing, forming and stamping plants; 30,278 tons to merchant trade products; 24,229 tons to building construction; 15,429 tons to the containers industry; 12,859 tons to agricultural equipment; 12,420 tons to the automotive industry; 12,375 tons to machinery plants; 5,055 tons to ship-building; 7,110 tons to mining, lumbering, etc., and 2,453 tons to miscellaneous industries. Wholesalers and warehousing accounted for 31,384 tons and exports for 27,709 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 78,127 tons in October, 1948.

Table 1 - Production of Pig Iron in Canada, October and Year to Date, 1948

	October	Year to Date
	(Tons of 2,000 pounds)	
Basic	164,184	1,458,825
Foundry	15,760	191,081
Malleable	6,484	130,003
Total	186,428	1,779,909

Table 2 - Production of Steel Ingots and Castings in Canada, October and Year to Date, 1948

	October		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	222,763	8,777	2,095,577	72,348
Electric	36,304	4,283	337,202	55,087
Total ingots	259,067	13,060	2,432,779	127,435
Steel castings	8,038	1,741	77,712	15,804
Total Ingots and Castings	267,105	14,801	2,510,491	143,239

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, October, 1948

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	7,860	4,877	3,728
Other semi-finished shapes, not for re-rolling by makers	40,564	82	43,421
Structural shapes and piling	15,428	17,447	...
Plates	19,577	22,561	...
Rails	30,746	28,379	...
Tie plates and track material -			
Splice bars	823	752	...
Tie plates	1,517	2,036	...
Spikes	1,130	1,258	...
Concrete reinforcing bars	3,427	4,834	...
Hot rolled bars for cold finishing	811	36	536
Other hot rolled bars	52,681	42,930	3,957
Pipes and tubes	11,834	13,833	...
Wire rods	24,131	24,213	154
Hot rolled black sheets	23,120	19,167	7,317
Cold reduced black sheets	4,733	3,903	421
Galvanized sheets	8,391	9,203	...
Steel castings	8,038	7,587	...
Miscellaneous hot rolled products	22,340	4,132	18,094
All other products	15,290	15,537	...
Total - Carbon Steel	292,441	222,767	77,528
<u>Alloy Steel</u>			
Billets, etc., for forging	2,924	2,901	15
Other semi-finished shapes, not for re-rolling by makers	483	...	483
Structural shapes and piling .....	...	...	...
Plates	258	172	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	8,527	8,401	1
Pipes and tubes .....	...	...	...
Wire rods	35	28	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,741	1,504	...
Miscellaneous hot rolled products	532	404	...
All other products	246	247	...
Total - Alloy Steel	14,746	13,657	499

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Ten Months Ended October, 1948

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	82,975	51,734	33,017
Other semi-finished shapes, not for re-rolling			
by makers	372,072	4,137	359,256
Structural shapes and piling	148,141	148,015	...
Plates	190,511	188,672	...
Rails	277,337	283,573	56
Tie plates and track material -			
Splice bars	22,704	22,993	...
Tie plates	42,477	42,601	...
Spikes	11,356	11,529	...
Concrete reinforcing bars	57,036	58,352	...
Hot rolled bars for cold finishing	9,127	80	9,174
Other hot rolled bars	446,936	361,279	79,438
Pipes and tubes	121,122	117,866	...
Wire rods	238,571	188,761	50,235
Hot rolled black sheets	248,677	180,225	72,019
Cold reduced black sheets	38,068	35,071	2,588
Galvanized sheets	82,597	82,956	297
Steel castings	77,712	75,539	...
Miscellaneous hot rolled products	215,196	42,137	173,210
All other products	167,673	170,561	4
Total - Carbon Steel	2,850,288	2,066,081	779,294
<u>Alloy Steel</u>			
Billets, etc., for forging	28,643	28,072	177
Other semi-finished shapes, not for re-rolling			
by makers	3,026	...	3,026
Structural shapes and piling .....	...	...	...
Plates	2,583	2,470	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	73,244	72,778	1
Pipes and tubes .....	...	...	...
Wire rods	474	476	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	15,804	14,637	...
Miscellaneous hot rolled products	3,705	3,479	...
All other products	2,684	2,658	...
Total - Alloy Steel	130,163	124,570	3,204

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, October and Year to Date, 1948

	October		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Automotive industries	6,773	5,647	66,407	48,267
Agricultural, including farm machinery	12,213	646	94,159	3,752
Building construction	24,068	161	245,859	1,032
Containers industry	15,424	5	168,781	282
Machinery and tools	11,558	817	110,987	7,174
Merchant trade products	29,968	310	245,823	2,347
Mining, lumbering, etc.	6,661	449	60,787	5,716
National defence	146	2	350	38
Pressing, forming and stamping	11,983	102	114,566	786
Public works and utilities	944	32	12,445	427
Railway operating	18,281	322	280,983	2,871
Railway cars and locomotives	23,992	443	185,058	3,579
Shipbuilding	5,026	29	41,685	391
Miscellaneous and unclassified	1,198	131	9,365	1,268
Wholesalers and warehouses	30,967	417	265,357	3,449
Direct export (a) to British Empire	21,163	2,444	110,171	18,110
(b) to other countries	2,402	1,700	53,298	25,081
Total Shipped for Sale	222,767	13,657	2,066,081	124,570
Producers' interchange	77,628	499	819,294	3,204

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, October, and Year to Date, 1948

Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Basic	United States	1,146	...	...	4,096	...	...
	Australia	...	...	...	234	...	...
Foundry	United States	134	...	...	1,461	...	...
Special	Norway	13	...	...	13	...	...
	Sweden	56	...	...	56	...	...
Silvery	United States	...	...	...	85	...	...
Ingots	United States	4,192	...	...	28,683	31	...
Billets, blooms, slabs and sheet bars	United States	...	...	...	55	33	...
Tube rounds and tube billets	United States	1,192	...	...	12,185	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	4,409	264	5.6	39,968	1,785	72.9
	United Kingdom	96	...	2.2	379	...	17.4
	Belgium	1,052	...	...	1,569	...	...
Hot rolled -							
For agricultural implements ..	United States	1,225	514	...	13,984	3,406	...
	United Kingdom	...	...	...	50	...	...
Rounds over 4-7/8", squares over 4"	United States	98	14	...	908	182	...
	United Kingdom	...	...	...	89	...	.3
Angles, channels, etc.	United States	621	...	2.4	8,078	...	24.5
	United Kingdom	...	...	...	2	...	...
	Belgium	748	...	...	1,319	...	...
Structurals (bar sizes) for agricultural implements	United States	1,024	164	...	8,505	690	...
Sash or casement sections	United States	348	...	...	2,529	...	...
	United Kingdom	22	...	...	108	...	...
	Belgium	...	...	...	11	...	...
Cold rolled, n.o.p.	United States	481	13	7.5	4,675	172	69.1
	United Kingdom	11	...	.9	12	...	4.0
	Germany	...	...	...	...	4	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, October, and Year to Date, 1948
(continued)

Commodity	Country of Origin	(continued)			Year to Date		
		October		Stain- less	Year to Date		Stain- less
		Carbon	Alloy		Carbon	Alloy	
(Tons of 2,000 pounds)							
Bars and Sections-(continued)							
Cold rolled, for agricultural implements	United States	654	9	...	5,839	38	...
Tool steel	United States	8	53	...	193	514	...
	United Kingdom	80	22	...	435	187	...
	Sweden	...	...	...	6	...	...
Structurals	United States	10,851	70	...	137,237	128	6.7
	United Kingdom	...	...	...	700	...	...
	Belgium	102	...	...	102	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,224	3	.4	12,107	52	24.5
	Sweden	...	...	...	2	...	...
	United Kingdom	...	...	...	116	9	...
	Belgium	154	...	...	699	...	...
Lighter than 18 gauge	United States	113	...	...	1,297	...	.2
	United Kingdom	...	...	...	1	...	...
For cold rolling	United States	245	...	...	4,194	...	...
For barrel hoops	United States	...	...	...	687	...	...
Painted	United States	760	...	...	4,367	...	...
.05¢ per pound and over	United States	...	...	...	1	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	41	...	...	800	...	...
For saws	United States	22	33	...	291	259	...
	Sweden	...	...	...	7	...	...
For motor vehicles	United States	997	9	...	9,933	9	...
For butt hinges	United States	...	...	...	150	...	...
For hoops	United States	96	...	...	1,294	...	...
For tubes	United States	33	...	...	205	...	...
For tubular products	United States	25	...	...	179	...	...
Silicon .075 or more	United States	...	174	...	19	956	...
Cold rolled -							
18 gauge and heavier	United States	322	...	11.2	2,734	28	151.9
	Sweden	...	...	...	1	...	...
	United Kingdom	...	...	...	2	...	...
Lighter than 18 gauge	United States	675	...	103.8	4,662	2	730.6
	United Kingdom	...	...	.1	10	...	.6
	Sweden	16	...	...	198	...	...
Painted	United States	45	...	...	477	...	...
For shoe and corset laces, buckles, ball bearings, etc., ..	United States	30	...	...	283	...	...
For saws	United States	7	12	...	28	89	...
	Sweden	...	...	...	1	66	...
For tubes	United States	307	...	...	1,029	...	...
For tubular products	United States	...	...	...	663	...	...
For butt hinges	United States	104	...	...	794	...	...
Silicon .075 or more	United States	...	...	26	...	633	...
Galvanized strip	United States	655	...	...	6,695	...	...
Skelp -							
Over 15-3/8" in width	United States	...	...	...	4,515	...	...
15-3/8" and under in width	United States	1,785	...	...	36,464	...	...
	Belgium	1,235	...	...	4,992	...	...
Pipes and Tubes -							
Cast	United States	8	...	...	648	...	...
	United Kingdom	626	...	...	3,288	...	...
Bedstead	United States	5	...	...	67	...	...

Table 8 - Imports into Canada of Primary Forms of Iron and Steel, October and Year to Date, 1948
(continued)

Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and Tubes - (concluded)							
Boiler and pulp-mill digesters -							
Hot finished	United States	781	...	...	8,708	36	...
Cold drawn	United States	53	5	...	1,528	51	3.0
Welded	United States	63	...	.9	472	...	.9
Welded for oil refinery	United States	4	...	...	6	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	550	19	11.9	6,087	285	139.0
	United Kingdom	6	1	1.5	97	2	24.3
	Sweden	...	...	...	...	...	.6
Hot finished	United States	122	7	...	2,195	13	...
	United Kingdom	...	...	...	9	...	...
Seamless, over 12" in diameter -							
Cold drawn	United States	...	...	...	105	...	1.9
Hot finished	United States	87	...	...	1,352	...	...
	United Kingdom	842	...	...	5,932	...	...
Welded, 4" and under in diameter	United States	949	...	1.4	10,002	1	48.6
	United Kingdom	194	...	...	1,252	...	...
	Australia	...	...	...	21	...	...
Welded, over 4" in diameter	United States	254	...	...	2,884	...	15.8
	Belgium	...	...	...	82	...	...
	Australia	...	...	...	5	...	...
Tubing -							
Not over 2 1/2" diameter, welded and coated	United States	16	...	...	157	...	1.0
Casings	United States	1,258	...	...	13,628	...	...
Fittings and couplings	United States	159	...	1.3	2,055	...	9.8
	United Kingdom	...	...	...	12	...	...
	Belgium	...	...	...	7	...	...
Wire rope	United States	53	...	.2	353	...	3.1
	United Kingdom	5	...	...	111	...	...
Wire -							
For wire rope	United States	2,251	...	.5	18,809	...	.7
	United Kingdom	67	...	...	393	...	...
For corset laces, steels, etc., .	United States	15	...	...	145	...	...
	United Kingdom	4	...	...	9	...	...
For spring mattress, etc.	United States	265	...	...	840	...	...
For fencing, galvanized	United States	72	...	...	243	...	...
Wire cloth and netting	United States	120	...	.7	890	...	1.5
	United Kingdom	14	...	...	65	...	...
Wire, coated	United States	93	...	...	705	...	...
Wire - All other	United States	668	...	7.9	6,869	...	29.9
	Sweden	...	...	...	5	...	...
Wire rods, not over 3/8" in diameter	United States	...	...	...	841	...	...
Welding wire and welding rods	United States	130	6	5.8	1,648	61	97.9
Castings -							
For agricultural implements	United States	74	...	...	1,200	...	...
For ingot moulds	United States	2,091	...	...	19,514	...	...
Malleable	United States	26	...	...	390	...	...
Non-malleable	United States	120	...	...	1,375	...	...
Steel	United States	132	6	...	889	56	2.2
For railway vehicles	United States	6	...	...	441	...	...
Rolls	United States	216	113	...	2,301	1,298	...
	United Kingdom	...	87	...	1	87	...
Piston rings (rough)	United States	27	...	...	153	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, October and Year to Date, 1948 (concluded)

Commodity	Country of Origin	October			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	United States	87	11	...	894	195	9.8
	United Kingdom	...	11	...	177	153	...
Axles -							
For railway vehicles	United States	...	...	...	381	...	...
For all other vehicles	United States	...	...	...	51	...	...
Wheels -							
For railway rolling stock	United States	380	...	...	1,651	...	...
	United Kingdom	950	...	...	4,076	...	...
Tires -							
For railway rolling stock	United States	313	...	...	4,573	...	...
	United Kingdom	197	20	...	3,700	217	...
Rails -							
60 pounds and under	United States	10	...	...	279	...	...
Over 60 pounds and including							
100 pounds	United States	...	...	...	330	...	...
Over 100 pounds	United States	...	...	...	52	...	...
Grooved for electric tramways .	United States	780	...	...	3,460	...	...
Track material -							
Angle bars, tie plates, rail							
joints	United States	85	...	...	972	...	...
Intersections, switches, frogs	United States	6	...	...	75	...	...
Total Imports	United States	71,451	3,873	405.6	734,027	27,857	3,858.2
	All other	6,990	141	26.3	35,369	746	140.9
TOTAL		78,441	4,014	431.9	769,396	28,603	3,999.1

Table 7 - Exports from Canada of Primary Iron and Steel, October and Year to Date, 1948

	October	Year to Date
(Tons of 2,000 pounds)		
Pig Iron .....	...	444
Ingots, blooms and billets	2,196	29,597
Bars	2,034	36,570
Rods	234	1,847
Plates, sheets and strips	1,250	13,300
Rails	18,673	120,542
Structural shapes	944	7,698
Pipe and tubing - Wrought iron ..	24	1,124
Cast iron	122	573
Galvanized	21	1,406
Other	44	768
Castings, iron and steel	967	6,877
Forgings	54	510

41-001
POLITICAL ECONOMY

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-28-1-49

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Section
Ottawa - Canada

Dominion Statistician:
Director - Industry and Merchandising Division:
Chief - Mining, Metallurgical and Chemical Section:

Herbert Marshall
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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - NOVEMBER, 1948

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 219,363 net tons in November, 1948 compared with 236,424 net tons in October, 1948. The November, 1948 total included 6,934 tons of semi-finished shapes, 12,641 tons of structurals, 19,314 tons of plates, 29,570 tons of rails, 5,160 tons of tie plates and track material, 53,841 tons of hot rolled bars, 12,945 tons of pipes and tubes, 25,635 tons of wire rods, 15,389 tons of black sheets, 8,229 tons of galvanized sheets, 9,800 tons of castings, 4,383 tons of miscellaneous hot rolled products, and 15,522 tons of all other products. The amount of producers' interchange was 77,298 tons in November, 1948 and 78,127 tons in October, 1948.

Of the amount shipped for sale during November, 39,823 tons went direct to railways and railway car shops; 10,637 tons went to pressing, forming and stamping plants; 33,733 tons to merchant trade products; 25,827 tons to building construction; 13,059 tons to the containers industry; 9,894 tons to agricultural equipment; 11,834 tons to the automotive industry; 11,860 tons to machinery plants; 2,701 tons to shipbuilding; 7,316 tons to mining, lumbering, etc., and 2,442 tons to miscellaneous industries. Wholesalers and warehousing accounted for 26,850 tons and exports for 23,377 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 77,298 tons in November, 1948.

Table 1 - Production of Pig Iron in Canada, November and Year to Date, 1948.

	November	Year to Date
	(Tons of 2,000 pounds)	
Basic	135,256	1,594,081
Foundry	15,030	206,111
Malleable	16,485	146,488
Total	166,771	1,946,680

Table 2 - Production of Steel Ingots and Castings in Canada, November and Year to Date, 1948

	November		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	216,198	8,179	2,311,775	80,527
Electric	37,994	4,900	375,196	59,987
Total Ingots	254,192	13,079	2,686,971	140,514
Steel castings	8,596	1,655	86,308	17,459
Total Ingots and Castings	262,788	14,734	2,773,279	157,973

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, November, 1948

	Production (Including producers' interchange)	For sale	Shipments Producers' interchange
(Tons of 2,000 pounds)			
Carbon Steel			
Billets, etc., for forging	8,925	6,086	2,763
Other semi-finished shapes, not for re-rolling by makers	38,549	194	39,666
Structural shapes and piling	12,827	12,641	...
Plates	19,094	19,130	...
Rails	30,678	29,570	...
Tie plates and track material -			
Splice bars	263	299	...
Tie plates	4,038	3,708	...
Spikes	1,145	1,153	...
Concrete reinforcing bars	7,977	6,803	...
Hot rolled bars for cold finishing	895	...	1,111
Other hot rolled bars	45,200	40,467	5,887
Pipes and tubes	13,201	12,945	...
Wire rods	23,751	25,609	870
Hot rolled black sheets	17,085	11,549	8,152
Cold reduced black sheets	5,684	3,840	550
Galvanized sheets	8,992	8,229	...
Steel castings	8,596	8,208	...
Miscellaneous hot rolled products	22,428	4,015	18,275
All other products	15,560	15,347	...
Total - Carbon Steel	284,888	209,793	77,274
Alloy Steel			
Billets, etc., for forging	688	654	...
Other semi-finished shapes, not for re-rolling by makers	24	...	24
Structural shapes and piling .....	...	...	...
Plates	278	184	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,183	6,571	...
Pipes and tubes .....	...	...	...
Wire rods	24	26	...
Hot rolled black sheets .....	...	...	...
Cold rolled black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,655	1,592	...
Miscellaneous hot rolled products	319	368	...
All other products	169	175	...
Total - Alloy Steel	9,340	9,570	24

Notes: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes Eleven Months Ended November, 1948

ended November, 1910

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	91,900	57,820	35,780
Other semi-finished shapes, not for re-rolling by makers	410,621	4,331	398,922
Structural shapes and piling	160,968	160,656	...
Plates	209,605	207,802	...
Rails	308,015	313,143	56
Tie plates and track material -			
Splice bars	22,967	23,292	...
Tie plates	46,515	46,309	...
Spikes	12,501	12,682	...
Concrete reinforcing bars	65,013	65,155	...
Hot rolled bars for cold finishing	10,022	80	10,285
Other hot rolled bars	492,136	401,746	85,325
Pipes and tubes	134,323	130,811	...
Wire rods	262,322	214,370	51,105
Hot rolled black sheets	265,762	191,774	80,171
Cold reduced black sheets	43,752	38,911	3,138
Galvanized sheets	91,589	91,185	297
Steel castings	86,308	83,747	...
Miscellaneous hot rolled products	237,624	46,152	191,485
All other products	183,233	185,908	4
Total - Carbon Steel	3,135,176	2,275,874	856,568
<u>Alloy Steel</u>			
Billets, etc., for forging	29,331	28,726	177
Other semi-finished shapes, not for re-rolling by makers	3,050	...	3,050
Structural shapes and piling .....	...	...	...
Plates	2,861	2,654	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	79,427	79,349	1
Pipes and tubes .....	...	...	...
Wire rods	498	502	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	17,459	16,229	...
Miscellaneous hot rolled products	4,024	3,847	...
All other products	2,853	2,833	...
Total - Alloy Steel	139,503	134,140	3,228

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, November and Year to Date, 1948

	November		November	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Automotive industries	6,670	5,164	73,077	53,431
Agricultural, including farm machinery .	9,098	796	103,257	4,548
Building construction	25,752	75	271,611	1,107
Containers industry	13,065	4	181,846	286
Machinery and tools	11,087	773	122,074	7,947
Merchant trade products	33,547	186	279,370	2,533
Mining, lumbering, etc.	6,832	484	67,619	6,200
National defence	3	8	353	46
Pressing, forming and stamping	10,443	194	125,009	980
Public works and utilities	1,262	36	13,707	463
Railway operating	21,095	268	302,078	3,139
Railway cars and locomotives	18,122	338	203,180	3,917
Shipbuilding	2,574	127	44,259	518
Miscellaneous and unclassified	1,005	128	10,370	1,396
Wholesalers and warehouses	26,699	151	292,056	3,600
Direct export (a) to British Empire	20,707	65	130,878	18,175
(b) to Other Countries ...	1,832	773	55,130	25,854
Total Shipped for Sale	209,793	9,570	2,275,874	134,140
Producers' interchange	77,274	24	896,568	3,228

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, November and Year to Date, 1948

Commodity	Country of Origin	November			Year to Date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)					
Pig Iron -							
Basic	United States	476	...	...	4,572	...	...
	Australia	...	...	...	234	...	...
Foundry	United States	60	...	...	1,521	...	...
Special	Norway	...	...	...	13	...	...
	Sweden	...	...	...	56	...	...
Silvery	United States	28	...	...	113	...	...
Ingots	United States	3,145	...	...	31,828	31	...
Billets, blooms, slabs and sheet bars	United States	11	62	...	66	95	...
Tube rounds and tube billets	United States	794	...	...	12,979	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	4,904	221	5.2	44,872	2,006	78.1
	United Kingdom	19	...	4.6	398	...	22.0
	Belgium	925	...	...	2,494	...	...
	Sweden	3	...	...	3	...	...
Hot rolled -							
For agricultural implements ...	United States	1,995	169	...	15,979	3,575	...
	United Kingdom	...	...	...	50	...	...
Rounds over $4\frac{7}{8}$ ", squares over 4"	United States	61	11	.3	969	193	.3
	United Kingdom	18	...	...	107	...	.3
	Sweden	1	...	...	1	...	...
Angles, channels, etc.	United States	1,179	...	2.5	9,257	...	27.0
	United Kingdom	...	...	...	2	...	...
	Belgium	272	...	...	1,591	...	...
Structurals (bar sizes) for							
agricultural implements	United States	601	90	...	9,106	780	...
Sash or casement sections	United States	305	...	...	2,834	...	...
	United Kingdom	...	...	...	108	...	...
	Belgium	...	...	...	11	...	...
Cold rolled, n.o.p.	United States	584	37	3.1	5,259	209	72.2
	United Kingdom	1	...	...	13	...	4.0
	Germany	...	...	...	...	4	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, November and Year to Date, 1948
(continued)

Commodity	Country or Origin	November			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and Sections (concluded)							
Cold rolled, for agricultural implements	United States	927	6	...	6,766	44	...
Tool steel	United States	10	45	...	203	559	...
	United Kingdom	123	18	...	558	205	...
	Sweden	...	...	...	6	...	...
Structurals	United States	10,397	23	...	147,634	151	6.7
	United Kingdom	33	...	...	733	...	...
	Belgium	1,536	...	...	1,638	...	...
Plates -							
78" and under in width	United States	2,416	127	16.8	27,474	245	294.0
	United Kingdom	477	...	1.0	2,545	...	11.7
Over 78" and under 100" in width .	United States	653	133	...	10,772	154	17.6
	United Kingdom	61	...	...	737	...	14.6
Over 100" in width	United States	235	...	...	5,125	159	36.3
	United Kingdom	...	...	...	123	...	.2
Flanged, dished or curved	United States	103	...	2.1	1,051	...	10.6
Boiler, pulp-mill digesters	United States	500	...	3.5	6,256	12	81.0
	United Kingdom	184	...	...	247	...	...
Chequered or surface pattern	United States	698	...	...	6,838	...	...
Painted	United States	2	...	...	92	...	...
Sheets -							
Silicon .075 or more	United States	...	1,596	...	...	17,529	...
Galvanized	United States	338	...	...	6,617	...	...
	United Kingdom	46	...	...	369	...	...
Hot rolled -							
18 gauge and heavier	United States	3,770	3	26.9	36,012	81	215.8
	United Kingdom	85	...	1.5	85	...	40.5
	Belgium	6	...	...	6	...	...
	Japan	37	...	...	37	...	...
Lighter than 18 gauge	United States	1,434	...	7.9	7,616	1	52.7
	Japan	80	...	...	138	...	...
For hollow ware (vitreous enamel)	United States	363	...	...	3,268	...	...
.05% per pound and over	United States	...	...	...	13	...	...
Corrugated	United States	205	...	...	3,170	...	...
Coated with paint, tar, asphaltum, etc.	United States	6	...	...	919	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	30	...	...	30	...	...
For saws	United States	1	63	...	180	553	...
	United Kingdom	...	...	...	...	19	...
For cold rolled strip	United States	21	...	...	897	...	...
Shaped for agricultural implements	United States	144	...	...	2,332	...	...
For tubes	United States	55	...	...	322	...	...
Cold rolled -							
18 gauge and heavier	United States	1,275	...	102.4	8,863	1	770.7
	United Kingdom	67	...	...	152	...	29.2
	Belgium	...	...	...	110	...	...
Lighter than 18 gauge	United States	2,708	...	138.7	28,515	18	1232.3
	United Kingdom	208	...	...	625	...	...
For hollow ware (vitreous enamel)	United States	894	...	...	3,393	...	...
	United Kingdom	78	...	...	601	...	...
Black plate -- tin mill	United States	811	...	...	17,300	...	...
Waste wasters	United States	26	...	...	53	...	...
Rejects	United States	338	...	...	338	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, November and Year to Date, 1948
(continued)

Commodity	Country of Origin	November			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets -							
Cold rolled (concluded)							
Coated with paint, tar, asphaltum, etc.	United States	154	...	...	1,189	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	...	...	...	2	...	...
For heating apparatus	United States	5	...	...	218	...	...
For saws	United States	...	...	...	30	23	...
	Sweden	...	5	...	...	7	...
For tubes	United States	480	...	...	7,121	...	...
For tubular products	United States	15	...	...	286	...	...
For butt hinges	United States	...	...	...	59	...	...
Black plate - For tinning	United States	1,671	...	...	37,413	...	...
Sheets hot rolled for conversion							
to tin plate	United States	604	...	...	656	...	...
Tin plate - Primes	United States	1,768	...	...	23,336	...	...
	United Kingdom	60	...	...	617	...	...
Seconds	United Kingdom	...	...	...	7	...	...
Electrolytic (25#)	United States	1,307	...	...	20,375	...	...
(50#)	United States	120	...	...	643	...	...
Waste Wasters	United States	...	...	...	10	...	...
Terne plate - Long	United States	279	...	...	3,466	...	...
	United Kingdom	...	...	...	3	...	...
Short	United States	329	...	...	2,968	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,149	28	...	13,256	80	24.5
	Sweden	...	...	...	2	...	...
	United Kingdom	56	...	...	172	9	...
	Belgium	240	...	...	939	...	...
Lighter than 18 gauge	United States	169	...	...	1,466	...	.2
	United Kingdom	...	...	...	1	...	...
For cold rolling	United States	392	...	...	4,586	...	...
For barrel hoops	United States	66	...	...	753	...	...
Painted	United States	817	...	...	5,184	...	...
.05¢ per pound and over	United States	...	...	...	1	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	41	...	...	841	...	...
For saws	United States	12	40	...	303	299	...
	Sweden	...	...	...	7	...	...
For motor vehicles	United States	1,265	...	...	11,198	9	...
For butt hinges	United States	...	...	...	150	...	...
For hoops	United States	...	...	...	1,294	...	...
For tubes	United States	11	...	...	216	...	...
For tubular products	United States	62	...	...	241	...	...
Silicon .075 or more	United States	...	188	...	19	1,144	...
Cold rolled -							
18 gauge and heavier	United States	322	2	14.7	3,056	30	166.6
	Sweden	...	...	...	1	...	...
	United Kingdom	...	...	...	2	...	...
Lighter than 18 gauge	United States	596	1	111.0	5,258	3	841.6
	United Kingdom	...	...	...	10	...	...
	Sweden	27	...	...	225	...	...
	Germany	3	...	...	3	...	...
Painted	United States	43	...	...	520	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	41	...	...	324	...	...
For saws	United States	...	5	...	28	94	...
	Sweden	...	...	...	1	66	...
For tubes	United States	152	...	...	1,181	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, November and Year to Date, 1948
(continued)

Commodity	Country of Origin	November			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Cold rolled (concluded)							
For tubular products	United States	150	...	...	813	...	...
For butt hinges	United States	36	...	...	830	...	...
Silicon .075 or more	United States	131	...	...	131	633	...
Galvanized strip	United States	895	...	...	7,590	...	...
Skelp -							
Over 15 ⁵ / ₈ " in width	United States	515	...	...	5,030	...	...
15 ⁵ / ₈ " and under in width	United States	3,973	...	...	40,437	...	...
	Belgium	4,793	...	...	9,785	...	...
Pipes and Tubes -							
Cast	United States	3	...	...	651	...	...
	United Kingdom	345	...	...	3,633	...	...
Bedstead	United States	14	...	...	81	...	...
Boiler and pulp-mill digesters -							
Hot finished	United States	573	33	...	9,281	69	...
Cold drawn	United States	95	24	.9	1,623	75	3.9
Welded	United States	71	...	...	543	...	.9
Welded for oil refinery	United States	1	4	...	7	4	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	513	6	11.6	6,600	291	150.6
	United Kingdom	19	1	1.9	116	3	26.2
	Sweden	...	...	...	...	...	.6
Hot finished	United States	233	9	...	2,428	22	...
	United Kingdom	...	...	...	9	...	...
Seamless, over 12" in diameter -							
Cold drawn	United States	...	...	...	105	...	1.9
Hot finished	United States	52	...	...	1,404	...	...
	United Kingdom	...	...	...	5,932	...	...
Welded, 4" and under in diameter ..							
	United States	1,429	...	4.3	11,431	1	52.9
	United Kingdom	167	...	...	1,419	...	...
	Australia	...	...	...	21	...	...
Welded, over 4" in diameter							
	United States	216	...	...	3,100	...	15.8
	Belgium	...	...	...	82	...	...
	Australia	...	...	...	5	...	...
Tubing -							
Not over 1 ¹ / ₂ " diameter, welded and coated							
	United States	15	...	...	172	...	1.0
Casings	United States	2,971	...	...	16,599	...	...
Fittings and couplings							
	United States	163	...	2.4	2,218	...	12.2
	United Kingdom	...	...	...	12	...	...
	Belgium	...	...	...	7	...	...
Wire rope							
	United States	18	...	...	371	...	3.1
	United Kingdom	2	...	...	113	...	...
Wire -							
For wire rope							
	United States	1,690	...	...	20,499	...	.7
	United Kingdom	41	...	...	434	...	...
For corset laces, steels, etc.							
	United States	16	...	...	161	...	...
	United Kingdom	1	...	...	10	...	...
For spring mattress, etc.							
	United States	529	...	...	1,369	...	...
For fencing, galvanized							
	United States	33	...	...	276	...	...
Wire cloth and netting							
	United States	236	...	.3	1,126	...	1.8
	United Kingdom	...	...	...	65	...	...
Wire, coated							
	United States	47	...	...	752	...	...
Wire - All other							
	United States	1,060	...	1.4	7,929	...	31.3
	Sweden	...	...	...	5	...	...
Wire rods, not over 3/8" in diameter ..							
	United States	...	...	...	841	...	...
Welding wire and welding rods							
	United States	202	16	8.7	1,850	77	106.6

Primary

- 8 -

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, November and Year to Date, 1948
(concluded)

Commodity	Country of Origin	(Continued)			Year to Date			
		November			Stain- less	Carbon	Alloy	Stain- less
		Carbon	Alloy					
(Tons of 2,000 pounds)								
Castings -								
For agricultural implements	United States	194	...	...	1,394	...	...
For ingot moulds	United States	1,735	...	...	21,249	...	...
Malleable	United States	39	...	...	429	...	...
Non-malleable	United States	110	...	...	1,485	...	...
Steel	United States	76	6	.2	965	62	2.4	
For railway vehicles	United States	...	...	...	441	...	...
Rolls	United States	151	158	...	2,452	1,456	...	
	United Kingdom	31	...	...	32	87	...	
Piston rings (rough)	United States	37	...	...	190	...	...
Forgings								
	United States	117	31	...	1,011	226	9.8	
	United Kingdom	...	22	...	177	175	...	
Axles -								
For railway vehicles	United States	1	...	...	382	...	...
For all other vehicles	United States	...	...	...	51	...	...
Wheels -								
For railway rolling stock	United States	202	...	...	1,853	...	...
	United Kingdom	1,926	...	...	6,002	...	...
Tires -								
For railway rolling stock	United States	354	...	...	4,927	...	...
	United Kingdom	623	6	...	4,323	223	...	
Rails -								
60 pounds and under	United States	1	...	...	280	...	...
Over 60 pounds and including								
100 pounds	United States	88	...	...	418	...	...
Over 100 pounds	United States	10	...	...	62	...	...
Grooved for electric tramways	United States	501	...	...	3,961	...	...
Track material -								
Angle bars, tie plates, rail joints	United States	82	...	...	1,054	...	...
Intersections, switches, frogs	United States	11	...	...	86	...	...
Total Imports								
	United States	73,962	3,137	464.9	807,989	30,994	4,323.1	
	All other	12,594	52	9.0	47,963	798	149.9	
TOTAL		86,556	3,189	473.9	855,952	31,792	4,473.0	

Table 7 - Exports from Canada of Primary Iron and Steel, November and Year to Date, 1948

	November	Year to Date
(Tons of 2,000 pounds)		
Pig iron .....	...	444
Ingots, blooms and billets	3,391	32,988
Bars	4,443	41,013
Rods	243	2,090
Plates, sheets and strips	623	13,923
Rails	15,116	135,658
Structural shapes	2,662	10,360
Pipe and tubing - Wrought iron	64	1,189
Cast iron	33	605
Galvanized	680	2,086
Other	64	833
Castings, iron and steel	886	7,763
Forgings	104	615

41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-15-2-49

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Section
Ottawa - Canada

Dominion Statistician:

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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - DECEMBER, 1948

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 212,886 tons in December, 1948, compared with 219,363 tons in November, 1948. The December, 1948, total included 9,031 tons of semi-finished shapes, 11,685 tons of structurals, 23,323 tons of plates, 23,889 tons of rails, 4,391 tons of tie plates and track material, 49,483 tons of hot rolled bars, 13,105 tons of pipes and tubes, 23,562 tons of wire rods, 17,127 tons of black sheets, 7,482 tons of galvanized sheets, 9,546 tons of castings, 3,722 tons of miscellaneous hot rolled products, and 16,540 tons of all other products. The amount of producers' interchange was 66,005 tons in December, 1948, and 77,298 tons in November, 1948.

Of the amount shipped for sale during December, 44,256 tons went direct to railways and railway car shops, 11,123 tons went to pressing, forming and stamping plants, 31,411 tons to merchant trade products, 22,509 tons to building construction, 14,677 tons to the containers industry, 11,687 tons to agricultural equipment, 13,200 tons to the automotive industry, 12,427 tons to machinery plants, 3,726 tons to shipbuilding, 6,079 tons to mining, lumbering, etc., and 2,324 tons to miscellaneous industries. Wholesalers and warehousing accounted for 26,168 tons and exports for 13,299 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 66,005 tons in December, 1948.

Table 1 - Production of Pig Iron in Canada, December and Year 1948.

	December	Year 1948
	(Tons of 2,000 pounds)	
Basic	145,806	1,739,887
Foundry	11,832	217,943
Malleable	16,595	163,079
Total	174,233	2,120,909

Table 2 - Production of Steel Ingots and Castings in Canada, December and Year 1948

	December		Year 1948	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	221,582	9,136	2,533,357	89,663
Electric	35,064	5,346	410,260	65,333
Total ingots	256,646	14,482	2,943,617	154,996
Steel castings	7,856	1,393	94,164	18,852
Total Ingots and Castings	264,502	15,875	3,037,781	173,848

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, December, 1948

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	8,489	6,648	2,151
Other semi-finished shapes, not for re-rolling by makers	38,330	56	32,832
Structural shapes and piling	11,872	11,685	...
Plates	21,356	22,977	70
Rails	29,222	23,889	...
Tie plates and track material -			
Splice bars	38	30	...
Tie plates	3,154	3,420	...
Spikes	930	941	...
Concrete reinforcing bars	7,031	6,031	...
Hot rolled bars for cold finishing	1,486	...	1,409
Other hot rolled bars	50,155	35,116	5,857
Pipes and tubes	10,265	13,105	30
Wire rods	25,523	23,468	229
Hot rolled black sheets	19,765	12,684	4,708
Cold reduced black sheets	5,286	4,443	1,460
Galvanized sheets	7,466	7,482	...
Steel castings	7,856	8,001	...
Miscellaneous hot rolled products	21,780	3,413	16,728
All other products	16,489	16,314	17
Total - Carbon Steel	286,493	199,703	65,491
<u>Alloy Steel</u>			
Billets, etc., for forging	2,229	2,327	...
Other semi-finished shapes, not for re-rolling by makers	514	...	514
Structural shapes and piling .....	...	...	...
Plates	213	346	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	9,065	8,336	...
Pipes and tubes .....	...	...	...
Wire rods	96	94	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,393	1,545	...
Miscellaneous hot rolled products	331	309	...
All other products	251	226	...
Total - Alloy Steel	14,092	13,183	514

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Year 1948

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	100,389	64,468	37,931
Other semi-finished shapes, not for re-rolling by makers	448,951	4,387	431,754
Structural shapes and piling	172,840	172,341	...
Plates	230,961	230,779	70
Rails	337,237	337,032	56
Tie plates and track material -			
Splice bars	23,005	23,322	...
Tie plates	49,669	49,729	...
Spikes	13,431	13,623	...
Concrete reinforcing bars	72,044	71,186	...
Hot rolled bars for cold finishing	11,508	80	11,694
Other hot rolled bars	542,291	436,862	91,182
Pipes and tubes	144,588	143,916	30
Wire rods	287,845	237,838	51,334
Hot rolled black sheets	285,527	204,458	84,879
Cold reduced black sheets	49,038	43,354	4,598
Galvanized sheets	99,055	98,667	297
Steel castings	94,164	91,748	...
Miscellaneous hot rolled products	259,404	49,565	208,213
All other products	199,722	202,222	21
Total - Carbon Steel	3,421,669	2,475,577	922,059

<u>Alloy Steel</u>			
Billets, etc., for forging	31,560	31,053	177
Other semi-finished shapes, not for re-rolling by makers	3,564	...	3,564
Structural shapes and piling .....	...	...	...
Plates	3,074	3,000	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	88,492	87,685	1
Pipes and tubes .....	...	...	...
Wire rods	594	596	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	18,852	17,774	...
Miscellaneous hot rolled products	4,355	4,156	...
All other products	3,104	3,059	...
Total - Alloy Steel	153,595	147,323	3,742

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, December and Year 1948

	D e c e m b e r		Year 1948	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Automotive industries	7,145	6,055	80,222	59,486
Agricultural, including farm machinery ..	10,279	1,408	113,536	5,956
Building construction	22,418	91	294,029	1,198
Containers industry	14,676	1	196,522	287
Machinery and tools	11,615	812	133,689	8,759
Merchant trade products	31,027	384	310,397	2,917
Mining, lumbering, etc.	5,530	549	73,149	6,749
National defence	15	7	368	53
Pressing, forming and stamping	10,997	126	136,006	1,106
Public works and utilities	1,210	12	14,917	475
Railway operating	24,579	576	326,657	3,715
Railway cars and locomotives	18,432	669	221,612	4,586
Shipbuilding	3,524	202	47,783	720
Miscellaneous and unclassified	969	111	11,339	1,507
Wholesalers and warehouses	25,772	396	317,828	3,996
Direct export (a) to British Empire	7,701	783	138,579	18,958
(b) to other countries ...	3,814	1,001	58,944	26,855
Total Shipped for Sale	199,703	13,183	2,475,577	147,323
Producers' interchange	65,491	514	962,059	3,742

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, December and Year 1948

Commodity	Country of Origin	December			Year 1948		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Basic	United States	396	...	...	4,968	...	...
	Australia	...	...	...	234	...	...
Foundry	United States	396	...	...	1,917	...	...
Special	Norway	...	...	...	13	...	...
	Sweden	...	...	...	56	...	...
Silvery	United States	41	...	...	154	...	...
Charcoal	United States	28	...	...	28	...	...
Ingots	United States	5,841	...	...	37,669	31	...
Billets, blooms, slabs and sheet bars	United States	...	1	...	66	96	...
Tube rounds and tube billets	United States	1,615	...	...	14,594	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	5,023	299	2.3	49,895	2,305	80.4
	United Kingdom	...	...	.3	398	...	22.3
	Belgium	452	...	...	2,946	...	...
	Sweden	...	...	...	3	...	...
Hot rolled -							
For agricultural implements ...	United States	1,747	497	...	17,726	4,072	...
	United Kingdom	...	...	...	50	...	...
Rounds over 4 ⁷ / ₈ " squares over 4"	United States	29	20	...	998	213	.3
	United Kingdom	...	...	...	107	...	.3
	Sweden	...	...	...	1	...	...
Angles, channels, etc.	United States	1,022	...	1.4	10,279	...	28.4
	United Kingdom	...	...	...	2	...	...
	Belgium	71	...	...	1,662	...	...
Structurals (bar sizes) for							
agricultural implements	United States	780	168	...	9,886	948	...
Sash or casement sections	United States	179	...	...	3,013	...	...
	United Kingdom	22	...	...	130	...	...
	Belgium	...	...	...	11	...	...
Cold rolled, n.o.p.	United States	572	60	4.1	5,831	269	76.3
	United Kingdom	35	...	...	48	...	4.0
	Germany	...	...	...	...	4	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, December and Year 1948 (Continued)

Commodity	Country of Origin	December			Year 1948		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and Sections (concluded)							
Cold rolled, for agricultural implements	United States	707	...	...	7,473	44	...
Tool steel	United States	14	52	...	217	611	...
	United Kingdom	14	10	...	572	215	...
	Sweden	...	...	...	6	...	...
Structurals	United States	11,616	...	.4	159,250	151	7.2
	United Kingdom	...	...	...	733	...	...
	Belgium	388	59	...	2,026	59	...
Plates -							
78" and under in width	United States	2,074	249	13.8	29,548	494	307.8
	United Kingdom	469	...	...	3,014	...	11.7
	Belgium	110	...	...	110	...	...
Over 78" and under 100" in width	United States	531	76	24.1	11,303	230	41.7
	United Kingdom	309	...	...	1,046	...	14.6
Over 100" in width	United States	355	...	1.3	5,480	159	37.6
	United Kingdom	...	...	...	123	...	.2
Flanged, dished or curved	United States	194	...	2.3	1,245	...	12.9
Boiler, pulp-mill digesters	United States	363	...	.6	6,619	12	81.6
	United Kingdom	...	...	...	247	...	...
Chequered or surface pattern ...	United States	613	...	...	7,451	...	...
Painted	United States	...	...	...	92	...	...
Sheets -							
Silicon .075 or more	United States	...	1,403	...	...	18,932	...
Galvanized	United States	436	...	...	7,053	...	...
	United Kingdom	74	...	...	443	...	...
Hot rolled -							
18 gauge and heavier	United States	3,788	22	2.7	39,800	103	218.5
	United Kingdom	...	...	1.4	85	...	41.9
	Belgium	190	...	...	196	...	...
	Japan	2	...	...	39	...	...
Lighter than 18 gauge	United States	1,427	7	.8	9,043	8	53.5
	Japan	...	...	...	138	...	...
	Belgium	53	...	...	53	...	...
For hollow ware (vitreous enamel)	United States	257	...	...	3,525	...	...
.05% per pound and over	United States	...	...	...	13	...	...
Corrugated	United States	341	...	...	3,511	...	...
Coated with paint, tar, asphaltum, etc.	United States	219	...	...	1,138	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	...	...	...	30	...	...
For saws	United States	5	74	...	185	627	...
	United Kingdom	...	...	...	...	19	...
For cold rolled strip	United States	150	...	...	1,047	...	...
Shaped for agricultural implements	United States	311	...	...	2,643	...	...
For tubes	United States	37	...	...	359	...	...
Cold rolled -							
18 gauge and heavier	United States	1,036	...	106.1	9,899	1	876.8
	United Kingdom	19	...	...	171	...	29.2
	Belgium	...	...	...	110	...	...
Lighter than 18 gauge	United States	3,159	...	103.9	31,674	18	1,336.2
	United Kingdom	98	...	...	723	...	...
For hollow ware (vitreous enamel)	United States	746	...	...	4,139	...	...
	United Kingdom	76	...	...	677	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, December and Year 1948 (Continued)

Commodity	Country of Origin	December			Year 1948		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets -							
Cold rolled -(concluded)							
Black plate -- Tin mill	United States	1,070	...	...	18,370	...	...
Waste Waste ..	United States	76	...	...	129	...	...
Rejects	United States	158	...	...	496	...	...
Coated with paint, tar, asphaltum, etc.	United States	70	...	...	1,259	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	...	...	...	2	...	...
For heating apparatus	United States	...	...	...	218	...	...
For saws	United States	...	...	...	30	23	...
	Sweden	...	...	...	...	7	...
For tubes	United States	621	...	...	7,742	...	...
For tubular products	United States	5	...	...	291	...	...
For butt hinges	United States	...	...	...	59	...	...
Black plate - For tinning	United States	2,117	...	...	39,530	...	...
Sheets hot rolled for conversion							
to tin plate	United States	9,357	...	...	10,013	...	...
Tin plate - Primes	United States	1,485	...	...	24,821	...	...
	United Kingdom	36	...	...	653	...	...
Seconds	United Kingdom	...	...	...	7	...	...
Electrolytic (25#)..	United States	995	...	...	21,370	...	...
(50#)..	United States	232	...	...	875	...	...
Waste waste	United States	20	...	...	30	...	...
Terne plate - Long	United States	293	...	...	3,759	...	...
	United Kingdom	...	...	...	3	...	...
Short	United States	295	...	...	3,263	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,256	29	.1	14,512	109	24.6
	Sweden	...	...	...	2	...	...
	United Kingdom	79	...	...	251	9	...
	Belgium	160	...	...	1,099	...	...
Lighter than 18 gauge	United States	134	...	.3	1,600	...	.5
	United Kingdom	2	...	...	3	...	...
For cold rolling	United States	386	...	...	4,972	...	...
For barrel hoops	United States	...	...	...	753	...	...
Painted	United States	417	...	...	5,601	...	...
.05¢ per pound and over	United States	...	...	...	1	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	44	...	...	885	...	...
For saws	United States	6	5	...	309	304	...
	Sweden	...	...	...	7	...	...
For motor vehicles	United States	1,201	34	...	12,399	43	...
For butt hinges	United States	49	...	...	199	...	...
For hoops	United States	26	...	...	1,320	...	...
For tubes	United States	67	...	...	283	...	...
For tubular products	United States	...	...	...	241	...	...
Silicon .075 or more	United States	...	151	...	19	1,295	...
Cold rolled -							
18 gauge and heavier	United States	352	...	19.1	3,408	30	185.7
	Sweden	...	...	...	1	...	...
	United Kingdom	...	...	...	2	...	...
Lighter than 18 gauge	United States	604	...	107.6	5,862	3	949.2
	United Kingdom	...	...	...	10	...	.6
	Sweden	1	...	...	226	...	...
	Germany	...	...	...	3	...	...
Painted	United States	84	...	...	604	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	11	...	...	335	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, December and Year 1948 (Continued)

Commodity	Country of Origin	December			Year 1948		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Cold rolled - (concluded)							
For saws	United States	1	29	...	29	123	...
	Sweden	...	3	...	1	69	...
For tubes	United States	115	...	...	1,296	...	...
For tubular products	United States	154	...	...	967	...	...
For butt hinges	United States	64	...	...	894	...	...
Silicon .075 or more	United States	...	51	...	131	684	...
Galvanized strip	United States	727	...	...	8,317	...	...
Skelp -							
Over 15 $\frac{3}{8}$ " in width	United States	424	...	...	5,454	...	...
15 $\frac{3}{8}$ " and under in width	United States	4,716	...	...	45,153	...	...
	Belgium	...	...	...	9,785	...	...
Pipes and Tubes -							
Cast	United States	5	...	...	656	...	...
	United Kingdom	761	...	...	4,394	...	...
Bedstead	United States	...	...	...	81	...	...
Boiler and pulp-mill digesters -							
Hot finished	United States	541	7	...	9,822	76	...
Cold drawn	United States	119	...	...	1,742	75	3.9
Welded	United States	101	...	1.4	644	...	2.3
	United Kingdom	6	...	...	6	...	...
Welded for oil refinery	United States	...	...	...	7	4	...
Seamless, 12" and under in diameter - Cold drawn	United States	602	5	8.3	7,202	296	158.9
	United Kingdom	39	...	.7	155	3	26.9
	Sweden	...	...	...	...	...	.6
Hot finished	United States	89	4	...	2,517	26	...
	United Kingdom	...	...	...	9	...	...
Seamless, over 12" in diameter -							
Cold drawn	United States	...	...	...	105	...	1.9
Hot finished	United States	7	...	...	1,411	...	...
	United Kingdom	...	...	...	5,932	...	...
Welded, 4" and under in diameter	United States	1,365	...	2.7	12,796	1	55.6
	United Kingdom	343	...	...	1,762	...	...
	Australia	...	...	...	21	...	...
Welded, over 4" in diameter	United States	170	...	...	3,270	...	15.8
	Belgium	...	...	...	82	...	...
	Australia	...	...	...	5	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	10	...	...	182	...	1.0
Casings	United States	2,916	...	...	19,515	...	...
Fittings and couplings	United States	196	...	1.2	2,414	...	13.4
	United Kingdom	...	...	...	12	...	...
	Belgium	...	...	...	7	...	...
Wire rope							
	United States	3	...	1.4	374	...	4.5
	United Kingdom	6	...	...	119	...	...
Wire -							
For wire rope	United States	2,241	...	...	22,740	...	.7
	United Kingdom	40	...	...	474	...	...
For corset laces, steels, etc...	United States	15	...	...	176	...	...
	United Kingdom	2	...	...	12	...	...
For spring mattress, etc.	United States	730	...	...	2,099	...	...
For fencing, galvanized	United States	...	...	...	276	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, December and Year 1948 (Concluded)

Commodity	Country of Origin	December			Year 1948		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire cloth and netting	United States	245	...	.1	1,371	...	1.9
	United Kingdom	...	...	...	65	...	...
Wire, coated	United States	11	...	...	763	...	...
Wire - All other	United States	1,785	...	3.0	9,714	...	34.3
	Sweden	...	...	...	5	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	29	...	...	870	...	...
Welding wire and welding rods	United States	207	5	9.0	2,057	82	115.6
Castings -							
For agricultural implements ...	United States	230	...	...	1,624	...	...
For ingot moulds	United States	1,688	...	...	22,937	...	...
Malleable	United States	30	...	...	459	...	...
Non-malleable	United States	99	...	...	1,584	...	...
Steel	United States	150	9	...	1,115	71	2.4
For railway vehicles	United States	...	...	...	441	...	...
Rolls	United States	178	119	...	2,630	1,575	...
	United Kingdom	...	...	...	32	87	...
Piston rings (rough)	United States	43	...	...	233	...	...
Forgings	United States	113	4	.1	1,124	230	9.9
	United Kingdom	21	11	...	198	186	...
Axles -							
For railway vehicles	United States	93	...	...	475	...	...
For all other vehicles	United States	...	...	...	51	...	...
Wheels -							
For railway rolling stock	United States	270	...	...	2,123	...	...
	United Kingdom	158	...	...	6,160	...	...
Tires -							
For railway rolling stock	United States	604	...	...	5,531	...	...
	United Kingdom	209	37	...	4,532	260	...
Rails -							
60 pounds and under	United States	18	...	...	298	...	...
Over 60 pounds and including							
100 pounds	United States	222	...	...	640	...	...
Over 100 pounds	United States	1	...	...	63	...	...
Grooved for electric tramways .	United States	...	...	...	3,961	...	...
Track material -							
Angle bars, tie plates, rail							
joints	United States	43	...	...	1,097	...	...
Intersections, switches, frogs.	United States	32	...	...	118	...	...
Total Imports	United States	88,881	3,380	418.1	896,870	34,374	4,741.2
	All other	4,245	120	2.4	52,208	918	152.3
TOTAL		93,126	3,500	420.5	949,078	35,292	4,893.5

Table 7 - Exports from Canada of Primary Iron and Steel, December and Year 1948

	December	Year 1948
	(Tons of 2,000 pounds)	
Pig iron	218	662
Ingots, blooms and billets	2,785	35,773
Bars	5,808	46,821
Rods	133	2,223
Plates, sheets and strips	247	14,170
Rails	23,733	159,391
Structural shapes	146	10,506
Pipe and tubing - Wrought iron	43	1,232
Cast iron	53	659
Galvanized	726	2,812
Other	143	976
Castings, iron and steel	768	8,531
Forgings	117	732

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41-001

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-2-4-49

Price -
10 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Section
Ottawa - Canada

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Director - Industry and Merchandising Division:
Chief - Mining, Metallurgical and Chemical Section:

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DEPT. OF POLITICAL ECONOMY

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA - JANUARY, 1949

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 233,548 net tons in January, 1949 compared with 212,886 net tons in December, 1948. The January, 1949 total included 8,214 tons of semi-finished shapes, 17,265 tons of structurals, 19,484 tons of plates, 33,200 tons of rails, 5,764 tons of tie plates and track material, 54,635 tons of hot rolled bars, 13,219 tons of pipes and tubes, 25,540 tons of wire rods, 18,419 tons of black sheets, 7,722 tons of galvanized sheets, 8,328 tons of castings, 5,321 tons of miscellaneous hot rolled products, and 16,437 tons of all other products. The amount of producers' interchange was 89,761 tons in January, 1949 and 66,005 tons in December, 1948.

Of the amount shipped for sale during January, 49,003 tons went direct to railways and railway car shops; 9,799 tons went to pressing, forming and stamping plants; 31,418 tons to merchant trade products; 32,107 tons to building construction; 15,229 tons to the containers industry; 10,339 tons to agricultural equipment; 11,379 tons to the automotive industry; 11,147 tons to machinery plants; 2,252 tons to shipbuilding; 8,256 tons to mining, lumbering, etc., and 2,566 tons to miscellaneous industries. Wholesalers and warehousing accounted for 29,101 tons and exports for 20,952 tons. Producers' interchange or the tonnage shipped to producers' own works for further processing, totalled 89,761 tons in January, 1949.

Table 1 - Production of Pig Iron in Canada, January, 1949

	Tons of 2,000 pounds
Basic	154,235
Foundry	14,719
Malleable	14,120
Total	183,074

Table 2 - Production of Steel Ingots and Castings in Canada, January, 1949

	Carbon	Alloy
	(Tons of 2,000 pounds)	
Steel ingots - Open hearth	232,507	8,445
Electric	30,015	5,020
Total ingots	262,522	13,465
Steel castings	7,587	1,142
Total Ingots and Castings	270,109	14,607

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, January, 1949

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	11,604	7,428	4,042
Other semi-finished shapes, not for re-rolling by makers	47,496	296	46,981
Structural shapes and piling	17,220	17,265	...
Plates	19,079	19,163	73
Rails	30,960	33,200	...
Tie plates and track material -			
Splice bars	3,665	3,052	...
Tie plates	1,706	1,731	...
Spikes	1,002	981	...
Concrete reinforcing bars	9,103	7,690	...
Hot rolled bars for cold finishing	338	...	208
Other hot rolled bars	44,232	40,869	7,902
Pipes and tubes	16,710	13,219	...
Wire rods	26,918	25,488	88
Hot rolled black sheets	15,035	12,924	6,255
Cold reduced black sheets	7,709	5,495	1,479
Galvanized sheets	8,219	7,722	...
Steel castings	7,587	7,255	...
Miscellaneous hot rolled products	29,000	5,036	22,546
All other products	16,077	16,096	...
Total - Carbon Steel	313,660	224,910	89,574
<u>Alloy Steel</u>			
Billets, etc., for forging	536	490	...
Other semi-finished shapes, not for re-rolling by makers	187	...	187
Structural shapes and piling .....	...	...	...
Plates	232	321	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	4,935	6,076	...
Pipes and tubes .....	...	...	...
Wire rods	56	52	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,142	1,073	...
Miscellaneous hot rolled products	242	285	...
All other products	347	341	...
Total - Alloy Steel	7,677	8,638	187

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, January, 1949

	Carbon	Alloy
	(Tons of 2,000 pounds)	
Automotive industries	6,044	5,335
Agricultural, including farm machinery	10,272	67
Building construction	32,058	49
Containers industry	15,227	2
Machinery and tools	10,566	581
Merchant trade products	31,251	167
Mining, lumbering, etc.	7,808	448
National defence	148	...
Pressing, forming and stamping	9,737	62
Public works and utilities	1,178	29
Railway operating	32,311	164
Railway cars and locomotives	16,099	429
Shipbuilding	2,072	180
Miscellaneous and unclassified	1,113	98
Wholesalers and warehouses	28,724	377
Direct export (a) to British Empire	15,217	197
(b) to other countries	5,085	453
Total Shipped for Sale	224,910	8,638
Producers' interchange	89,574	187

Table 5 - Imports into Canada of Primary Forms of Iron and Steel, January, 1949

Commodity	Country of Origin	Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)		
Pig Iron -				
Basic	United States	407	...	...
Foundry	United States	134	...	...
Malleable	United States	283	...	...
Silvery	United States	56	...	...
Ingot	United States	4,916	...	...
Billets, blooms, slabs and sheet bars	United States	5	28	...
Tube rounds and tube billets	United States	662	...	...
Bars and Sections -				
Hot rolled, n.o.p.	United States	5,055	492	2.3
	United Kingdom	1	...	5.3
	Belgium	319	...	...
Hot rolled -				
For agricultural implements ...	United States	1,688	497	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4"	United States	125	10	...
	United Kingdom	18	...	...
Angles, channels, etc.	United States	729	...	1.6
	Belgium	96	...	...
Structurals (bar sizes) for agricultural implements	United States	699	104	...
Sash or casement sections	United States	291	...	...
	United Kingdom	23	...	...
Cold rolled, n.o.p.	United States	1,050	5	17.2
	United Kingdom	1	6	...
	Germany	...	1	...
Cold rolled, for agricultural implements	United States	742	4	...
Tool steel	United States	14	43	...
	United Kingdom	51	52	...
Structurals	United States	10,061	...	.1
	United Kingdom	144	...	...

Table 5 - Imports into Canada of Primary Forms of Iron and Steel, January, 1949 (Continued)

Commodity	Country of Origin	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)				
Plates -				
78" and under in width	United States	2,198	183	50.5
	United Kingdom	1,316	...	...
Over 78" and under 100" in width.	United States	839	30	36.1
	United Kingdom	161	...	1.8
Over 100" in width	United States	348	...	...
	United Kingdom	65	...	19.0
Flanged, dished or curved	United States	56	...	...
Boiler, pulp-mill digesters	United States	550	...	.7
	United Kingdom	...	...	...
Chequered or surface pattern	United States	961	...	...
For saws	United States	...	1	...
Sheets -				
Silicon .075 or more	United States	...	1,928	...
	United Kingdom	...	84	...
Galvanized	United States	794	...	...
	United Kingdom	38	...	...
Hot rolled -				
18 gauge and heavier	United States	3,982	1	47.7
	Belgium	39	...	...
	United Kingdom	...	...	10.7
Lighter than 18 gauge	United States	1,637	...	2.0
	Belgium	138	...	...
For hollow ware (vitreous enamel)	United States	449	...	...
Corrugated	United States	67	...	...
Coated with paint, tar, asphaltum, etc.	United States	122	...	...
For saws	United States	12	59	...
	United Kingdom	...	2	...
For cold rolled strip	United States	93	...	...
Shaped for agricultural implements	United States	180	...	...
For tubes	United States	89	...	...
Cold rolled -				
18 gauge and heavier	United States	780	...	116.4
	United Kingdom	249	...	2.4
Lighter than 18 gauge	United States	3,958	...	147.1
	United Kingdom	415	...	...
For hollow ware (vitreous enamel)	United States	1,049	...	...
	United Kingdom	407	...	...
Black plate - Tin mill	United States	2,101	...	...
Coated with paint, tar, asphaltum, etc.	United States	167	...	...
For tubes	United States	523	...	...
For tubular products	United States	6	...	...
For butt hinges	United States	22	...	...
Black plate - For tinning	United States	1,500	...	...
Sheets, hot rolled for conversion to tin plate	United States	2,721	...	...
Tin plate - Primes	United States	1,137	...	...
	United Kingdom	29	...	...
Electrolytic (25#) ..	United States	2,666	...	...
(50#) ..	United States	24	...	...
Terne plate - Long	United States	388	...	...
Short	United States	1,031	...	...

Table 5 - Imports into Canada of Primary Forms of Iron and Steel, January, 1949 (Continued)

Commodity	Country of Origin	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)				
Strip -				
Hot rolled -				
18 gauge and heavier	United States	1,456	3	1.4
	Belgium	8	...	...
Lighter than 18 gauge	United States	174	...	...
	United Kingdom	...	...	...
For cold rolling	United States	324	...	...
For barrel hoops	United States	...	...	...
Painted	United States	426	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	36	...	...
For saws	United States	22	26	...
For motor vehicles	United States	773	6	...
For hoops	United States	113	...	...
For tubes	United States	61	...	...
For tubular products	United States	14	...	...
Silicon .075 or more	United States	...	378	...
Cold rolled -				
18 gauge and heavier	United States	278	...	41.4
Lighter than 18 gauge	United States	505	...	101.7
	Sweden	7	...	.1
Painted	United States	86	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	73	...	...
For saws	United States	...	6	...
	Sweden	...	14	...
For tubes	United States	236	...	...
For tubular products	United States	56	...	...
For butt hinges	United States	231	...	...
Silicon .075 or more	United States	...	161	...
Galvanized strip	United States	767	...	...
Skelp -				
Over 15 $\frac{3}{8}$ " in width	United States	373	...	...
15 $\frac{3}{8}$ " and under in width	United States	5,645	...	...
	Belgium	3,038	...	...
Pipes and Tubes -				
Cast	United States	5	...	...
Bedstead	United States	15	...	...
Boiler -				
Hot finished	United States	868	43	...
Pulp mill digesters -				
Hot finished	United States	9	...	...
Cold drawn	United States	138	3	4.7
Welded	United States	66	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	667	33	18.9
	United Kingdom	17	1	.6
Hot finished	United States	488	...	...
Seamless, over 12" in diameter -				
Hot finished	United States	87	...	...
Welded, 4" and under in diameter.	United States	1,762	...	3.9
	United Kingdom	214	...	...
Welded, over 4" in diameter	United States	337	...	.1
Tubing -				
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	48	...	...
Casings	United States	2,433	...	...
Fittings and couplings	United States	184	...	1.0

Table 5 - Imports into Canada of Primary Forms of Iron and Steel, January, 1949 (Concluded)

Commodity	Country of Origin	Carbon	(Tons of 2,000 pounds)	
			Alloy	Stainless
Wire rope	United States	27	...	...
	United Kingdom	1	...	...
Wire -				
For wire rope	United States	2,345	...	.1
	United Kingdom	17	...	...
For corset laces, steels, etc. ..	United States	27	...	...
	United Kingdom	1	...	...
For spring mattress, etc.	United States	730	...	...
For fencing, galvanized	United States	25	...	...
Wire cloth and netting	United States	494	...	.3
	United Kingdom	16	...	...
Wire, coated	United States	92	...	...
Wire - All other	United States	1,323	...	6.5
Wire rods, not over $\frac{3}{8}$ " in diameter .	United States	30	...	...
Welding wire and welding rods	United States	199	32	4.6
Castings -				
For agricultural implements	United States	302	...	...
For ingot moulds	United States	1,360	...	...
Malleable	United States	42	...	...
Non-malleable	United States	192	...	...
Steel	United States	83	2	.4
For railway vehicles	United States	148	...	...
Rolls	United States	106	23	...
Piston rings (rough)	United States	37	...	...
Forgings	United States	93	107	...
	United Kingdom	59	...	...
Wheels -				
For railway rolling stock	United States	193	315	...
Tires -				
For railway rolling stock	United States	452	...	...
	United Kingdom	23	...	...
Rails -				
60 pounds and under	United States	53	...	...
Track material -				
Angle bars, tie plates, rail joints	United States	39	...	...
Intersections, switches, frogs ..	United States	24	...	...
Total Imports	United States	84,621	4,523	606.7
	All other	6,829	160	39.9
TOTAL		91,450	4,683	646.6

Table 6 - Exports from Canada of Primary Iron and Steel, January, 1949

	Tons of 2,000 pounds
Pig iron	1,071
Ingots, blooms and billets	4,049
Bars	2,514
Rods	114
Plates, sheets and strips	855
Rails	6,174
Structural shapes	29
Pipe and tubing - Wrought iron	56
Cast iron	12
Galvanized	921
Other	133
Castings, iron and steel	752
Forgings	148

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41-001

DEPT. OF POLITICAL ECONOMY

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-6-5-49

Price -
10 cents

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MONTHLY REPORT

on

PRIMARY IRON AND STEEL IN CANADA - FEBRUARY, 1949

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 216,862 net tons in February, 1949 compared with 233,548 net tons in January, 1949. The February, 1949, total included 10,507 tons of semi-finished shapes, 10,879 tons of structurals, 18,084 tons of plates, 26,697 tons of rails, 7,307 tons of tie plates and track material, 46,186 tons of hot rolled bars, 14,932 tons of pipes and tubes, 26,930 tons of wire rods, 17,920 tons of black sheets, 8,038 tons of galvanized sheets, 9,656 tons of castings, 3,837 tons of miscellaneous hot rolled products, and 15,889 tons of all other products. The amount of producers' interchange was 76,465 tons in February, 1949, and 89,761 tons in January, 1949.

Of the amount shipped for sale during February, 48,509 tons went direct to railways and railway car shops, 11,842 tons went to pressing, forming and stamping plants, 31,515 tons to merchant trade products, 26,056 tons to building construction, 14,511 tons to the containers industry, 8,083 tons to agricultural equipment, 10,740 tons to the automotive industry, 10,246 tons to machinery plants, 2,344 tons to shipbuilding, 6,673 tons to mining, lumbering, etc., and 2,444 tons to miscellaneous industries. Wholesalers and warehousing accounted for 27,026 tons and exports for 16,873 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 76,465 tons in February, 1949.

Table 1 - Production of Pig Iron in Canada, February, and Year to Date, 1949.

	February	Year to Date
	(Tons of 2,000 pounds)	
Basic	141,222	295,457
Foundry	20,386	35,105
Malleable	11,116	25,236
Total	172,724	355,798

Table 2 - Production of Steel Ingots and Castings in Canada, February, and Year to Date, 1949.

		February		Year to Date	
		Carbon	Alloy	Carbon	Alloy
		(Tons of 2,000 pounds)			
Steel ingots	- Open hearth	208,612	9,888	441,119	18,333
	Electric	25,860	4,650	55,875	9,670
	Total Ingots	234,472	14,538	496,994	28,003
Steel castings	-	8,087	1,769	15,674	2,931
	Total Ingots and Castings	242,559	16,327	512,668	30,934

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, February, 1949

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	11,729	8,573	2,998
Other semi-finished shapes, not for re-rolling by makers	43,555	68	36,896
Structural shapes and piling	10,432	10,879	...
Plates	17,876	18,025	...
Rails	21,547	26,697	...
Tie plates and track material -			
Splice bars	2,039	2,624	...
Tie plates	3,976	3,678	...
Spikes	921	1,005	...
Concrete reinforcing bars	6,606	6,458	...
Hot rolled bars for cold finishing	1,509	...	1,355
Other hot rolled bars	44,660	34,976	7,068
Pipes and tubes	17,614	14,932	...
Wire rods	27,068	26,902	994
Hot rolled black sheets	18,564	11,713	5,951
Cold reduced black sheets	7,132	6,207	1,333
Galvanized sheets	7,877	8,038	...
Steel castings	8,087	7,971	...
Miscellaneous hot rolled products	23,836	3,607	19,721
All other products	15,823	15,515	...
Total - Carbon Steel	290,851	207,868	76,316
<u>Alloy Steel</u>			
Billets, etc., for forging	1,994	1,866	...
Other semi-finished shapes, not for re-rolling by makers	149	...	149
Structural shapes and piling .....	...	...	...
Plates	173	59	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	5,438	4,752	...
Pipes and tubes .....	...	...	...
Wire rods	34	28	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,789	1,685	...
Miscellaneous hot rolled products	152	230	...
All other products	336	374	...
Total - Alloy Steel	10,065	8,994	149

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Two Months Ended February, 1949.

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	23,333	16,001	7,040
Other semi-finished shapes, not for re-rolling by makers	91,051	364	83,877
Structural shapes and piling	27,652	28,144	...
Plates	36,955	37,188	73
Rails	52,507	59,897	...
Tie plates and track material -			
Splice bars	5,704	5,676	...
Tie plates	5,682	5,409	...
Spikes	1,923	1,986	...
Concrete reinforcing bars	15,709	14,148	...
Hot rolled bars for cold finishing	1,847	...	1,563
Other hot rolled bars	88,892	75,845	14,970
Pipes and tubes	34,324	28,151	...
Wire rods	53,986	52,390	1,082
Hot rolled black sheets	33,599	24,637	12,206
Cold reduced black sheets	14,841	11,702	2,812
Galvanized sheets	16,096	15,760	...
Steel castings	15,674	15,226	...
Miscellaneous hot rolled products	52,836	8,643	42,267
All other products	31,900	31,611	...
Total - Carbon Steel	604,511	432,778	165,890
<u>Alloy Steel</u>			
Billets, etc., for forging	2,530	2,356	...
Other semi-finished shapes, not for re-rolling by makers	336	...	336
Structural shapes and piling .....	...	...	...
Plates	405	380	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	10,373	10,828	...
Pipes and tubes .....	...	...	...
Wire rods	90	80	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	2,931	2,758	...
Miscellaneous hot rolled products	394	515	...
All other products	683	715	...
Total-Alloy Steel	17,742	17,632	336

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, February and Year to Date, 1949

Industry	February		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	6,148	4,592	12,192	9,927
Agricultural, including farm machinery	8,052	31	18,324	98
Building construction	25,918	138	57,976	187
Containers industry	14,509	2	29,736	4
Machinery and tools	9,749	497	20,315	1,078
Merchant trade products	31,333	182	62,584	349
Mining, lumbering, etc.	5,902	771	13,710	1,219
National defence	15	4	163	4
Pressing, forming and stamping	11,733	109	21,470	171
Public works and utilities	1,290	22	2,468	51
Railway operating	29,122	210	61,433	374
Railway cars and locomotives	19,118	59	35,217	488
Shipbuilding	2,296	48	4,368	228
Miscellaneous and unclassified	945	168	2,058	266
Wholesalers and warehouses	26,791	235	55,515	612
Direct export (a) to British Empire	7,939	1,353	23,156	1,550
(b) to Other Countries	7,008	573	12,093	1,026
Total Shipped for Sale	207,868	8,994	432,778	17,632
Producers' interchange	76,316	149	165,890	336

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, February and Year to Date, 1949.

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	1,226	...	...	1,633	...	...
Foundry	United States	...	...	...	134	...	...
Malleable	United States	333	...	...	616	...	...
Silvery	United States	154	...	...	210	...	...
Charcoal	United States	60	...	...	60	...	...
Ingots	United States	5,413	...	...	10,329	...	...
Billets, blooms, slabs and sheet							
bars	United States	8	...	...	13	28	...
Tube rounds and tube billets	United States	697	...	...	1,359	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	4,566	139	9.5	9,621	631	11.8
	United Kingdom	...	...	2.4	1	...	7.7
	Belgium	1,715	...	...	2,034	...	...
Hot rolled -							
For agricultural implements ..	United States	2,781	259	...	4,469	756	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4"	United States	36	20	...	161	30	...
	United Kingdom	...	...	...	18	...	...
Angles, channels, etc.	United States	458	4	4.0	1,187	4	5.6
	Belgium	279	...	...	375	...	...
Structurals (bar sizes) for agricultural implements	United States	2,741	55	...	3,440	159	...
Sash or casement sections	United States	409	...	...	700	...	...
	United Kingdom	...	...	...	23	...	...
Cold rolled, n.o.p.	United States	603	10	7.4	1,653	15	24.6
	United Kingdom	...	...	.2	1	6	.2
	Germany	...	1	...	...	2	...
Cold rolled, for agricultural implements	United States	664	...	...	1,406	4	...
Tool steel	United States	13	62	...	27	105	...
	United Kingdom	21	30	...	72	82	...
Structurals	United States	14,101	...	2.0	24,162	...	2.1
	United Kingdom	127	...	...	271	...	...
	Belgium	218	...	...	218	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, February and Year to Date, 1949

(Continued)

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)					
Plates -							
78" and under in width	United States	3,483	...	16.3	5,681	183	66.8
	United Kingdom	58	...	...	1,374	...	...
Over 78" and under 100" in width ...	United States	702	...	9.8	1,541	30	45.9
	United Kingdom	...	...	...	161	...	1.8
Over 100" in width	United States	366	...	...	714	...	...
	United Kingdom	...	...	...	65	...	19.0
Flanged, dished or curved	United States	175	...	.7	231	...	.7
Boiler, pulp-mill digesters	United States	379	...	...	929	...	.7
Chequered or surface pattern	United States	822	...	...	1,783	...	...
For saws	United States	...	...	...	...	1	...
Sheets -							
Silicon .075 or more	United States	...	2,168	...	...	4,096	...
	United Kingdom	...	112	...	...	196	...
Galvanized	United States	1,000	...	...	1,794	...	...
	United Kingdom	285	...	...	323	...	...
Hot rolled -							
18 gauge and heavier	United States	6,566	2	50.4	10,548	3	98.1
	Belgium	...	...	...	39	...	...
	United Kingdom	...	...	10.0	...	...	20.7
Lighter than 18 gauge	United States	1,177	1	51.6	2,814	1	53.6
	Belgium	...	...	...	138	...	...
	United Kingdom	45	...	...	45	...	...
For hollow ware (vitreous enamel)	United States	551	...	...	1,000	...	...
	United Kingdom	45	...	...	45	...	...
Corrugated	United States	223	...	...	290	...	...
Coated with paint, tar, asphaltum, etc.	United States	213	...	...	335	...	...
For saws	United States	5	65	...	17	124	...
	United Kingdom	...	...	...	...	2	...
For cold rolled strip	United States	32	...	...	125	...	...
Shaped for agricultural implements	United States	453	6	...	633	6	...
For tubes	United States	155	...	...	244	...	...
Cold rolled -							
18 gauge and heavier	United States	1,568	...	102.2	2,348	...	218.6
	United Kingdom	35	...	1.3	284	...	3.7
Lighter than 18 gauge	United States	2,695	18	113.5	6,653	18	260.6
	United Kingdom	230	...	...	645	...	...
For hollow ware (vitreous enamel)	United States	435	...	...	1,484	...	...
	United Kingdom	67	...	...	474	...	...
Black plate - Tin mill	United States	841	...	...	2,942	...	...
Coated with paint, tar, asphaltum, etc.	United States	21	...	...	188	...	...
For saws	Sweden	...	1	...	...	1	...
For tubes	United States	611	...	...	1,134	...	...
For tubular products	United States	...	...	...	6	...	...
For butt hinges	United States	27	...	...	49	...	...
Black plate - For tinning	United States	1,687	...	...	3,187	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	...	...	...	2,721	...	...
Slabs for conversion to tin plate ..	United States	3,313	...	...	3,313	...	...
Tin plate - Primes	United States	1,612	...	...	2,749	...	...
	United Kingdom	20	...	...	49	...	...
Electrolytic (25#)	United States	1,301	...	...	3,967	...	...
(50#)	United States	65	...	...	89	...	...
Terne plate - Long	United States	489	...	...	877	...	...
Short	United States	474	...	...	1,505	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, February and Year to Date, 1949
(Continued)

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)					
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,460	28	1.1	2,916	31	2.5
	Belgium ..	98	...	...	106	...	...
Lighter than 18 gauge	United States	197	...	6.1	371	...	6.1
For cold rolling	United States	140	...	...	464	...	...
Painted	United States	333	...	...	759	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	23	...	...	59	...	...
For saws	United States	69	16	...	91	42	...
For motor vehicles	United States	921	23	...	1,694	29	...
For hoops	United States	74	...	...	187	...	...
For tubes	United States	88	...	...	149	...	...
For tubular products	United States	...	...	...	14	...	...
Silicon .075 or more	United States	...	299	...	...	677	...
Cold rolled -							
18 gauge and heavier	United States	452	...	15.8	730	...	57.2
Lighter than 18 gauge	United States	798	1	62.3	1,303	1	164.0
	Sweden	...	...	...	7	...	...
	United Kingdom	1	...	...	1	...	...
Painted	United States	28	...	...	114	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	46	...	...	119	...	...
For saws	United States	5	11	...	5	17	...
	Sweden	...	16	...	...	30	...
For tubes	United States	58	...	...	294	...	...
For tubular products	United States	127	...	...	183	...	...
For butt hinges	United States	19	...	...	250	...	...
Silicon .075 or more	United States	...	69	...	...	230	...
Galvanized strip	United States	745	...	...	1,512	...	...
Skelp -							
15 ³ / ₈ " and under in width	United States	2,439	...	...	8,084	...	...
	Belgium	5,750	...	...	8,788	...	...
Over 15 ³ / ₈ " in width	United States	927	...	...	1,300	...	...
Pipes and Tubes -							
Cast	United States	2	...	...	7	...	...
	United Kingdom	219	...	...	219	...	...
Bedstead	United States	...	...	...	15	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	606	27	...	1,474	70	...
Cold drawn	United States	116	...	...	254	3	4.7
Welded	United States	105	...	4.4	171	...	4.4
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	9	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	577	23	20.7	1,244	56	39.6
	United Kingdom	4	1	1.1	21	2	1.7
Hot finished	United States	400	...	...	888	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	63	...	...	150	...	...
Welded, 4" and under in diameter	United States	1,700	...	1.5	3,462	...	5.4
	United Kingdom	142	...	2.4	356	...	2.4
Welded, over 4" in diameter	United States	164	...	...	501	...	1
Tubing -							
Not over 1 ¹ / ₂ " diameter, welded and coated	United States	36	...	...	84	...	...
Casings	United States	3,197	...	...	5,630	...	...
Fittings and couplings	United States	368	...	1.7	552	...	2.7

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, February and Year to Date, 1949
(Concluded)

Commodity	Country of Origin	February			Year to Date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Wire rope	United States	5	...	.2	32	...	.2
	United Kingdom	3	...	...	4	...	...
Wire -							
For wire rope	United States	1,935	...	...	4,280	...	.1
	United Kingdom	2	...	...	19	...	...
For corset laces, steels, etc.	United States	18	...	...	45	...	...
	United Kingdom	1	...	...	2	...	...
For spring mattress, etc.	United States	745	...	...	1,475	...	...
For fencing, galvanized	United States	34	...	...	59	...	...
Wire cloth and netting	United States	370	...	.1	864	...	.4
	United Kingdom	...	...	...	16	...	...
Wire, coated	United States	108	...	...	200	...	...
	United Kingdom	2	...	...	2	...	...
Wire - All other	United States	569	...	5.3	1,892	...	11.8
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	...	...	...	30	...	...
Welding wire and welding rods	United States	57	5	12.5	256	37	17.1
Castings -							
For agricultural implements	United States	155	...	...	457	...	...
For ingot moulds	United States	1,988	...	...	3,348	...	...
Malleable	United States	93	...	...	135	...	...
Non-malleable	United States	187	...	...	379	...	...
Steel	United States	222	15	...	305	17	.4
For railway vehicles	United States	165	...	...	313	...	...
Rolls	United States	37	...	...	143	23	...
Piston rings (rough)	United States	27	...	...	64	...	...
Forgings	United States	147	34	.1	240	141	.1
	United Kingdom	9	...	...	68	...	...
Axles - For railway vehicles	United States	4	...	...	4	...	...
Wheels - For railway rolling stock	United States	304	...	...	497	...	...
	United Kingdom	802	...	...	1,117	...	...
Tires - For railway rolling stock	United States	541	...	...	993	...	...
	United Kingdom	80	...	...	103	...	...
Rails - 60 pounds and under	United States	7	...	...	7	...	...
Over 60 pounds and including							
100 pounds	United States	60	...	...	113	...	...
Over 100 pounds	United States	48	...	...	48	...	...
Track material -							
Angle bars, tie plates, rail joints .	United States	28	...	...	67	...	...
Intersections, switches, frogs	United States	5	...	...	29	...	...
Total Imports	United States	89,846	3,360	499.2	174,385	7,568	1,105.9
All other		10,258	161	17.4	17,484	321	57.3
TOTAL		100,104	3,521	516.6	191,869	7,889	1,163.2

Table 7 - Exports from Canada of Primary Iron and Steel, February and Year to Date, 1949

	February		Year to Date	
	(Tons of 2,000 pounds)			
Pig iron	50		1,121	
Ingots, blooms and billets	4,095		8,144	
Bars	1,254		3,768	
Rods	41		155	
Plates, sheets and strips	207		1,062	
Rails	11,208		17,382	
Structural shapes	59		88	
Pipe and tubing - Wrought iron	17		73	
Cast iron	22		34	
Galvanized	1,549		2,470	
Other	123		257	
Castings, iron and steel	662		1,414	
Forgings	105		253	

41-001

BAROMETRIC FILE 11

Published by Authority of the Rt. Hon. C. D. Howe, M.P.
Minister of Trade and Commerce

MC28-18-5-49

Price
10 centsDepartment of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Section
Ottawa - CanadaUNIVERSITY OF TORONTO
DEPT. OF MINING ENGINEERINGDominion Statistician:
Director - Industry and Merchandising Division:
Chief - Mining, Metallurgical and Chemical Section:Herbert Marshall
W. H. Losee
H. McLeodMonthly Report

on

PRIMARY IRON AND STEEL IN CANADA - MARCH, 1949

Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 262,513 net tons in March, 1949, compared with 216,862 net tons in February, 1949. The March, 1949 total included 10,532 tons of semi-finished shapes, 14,788 tons of structurals, 19,668 tons of plates, 27,332 tons of rails, 6,867 tons of tie plates and track material, 64,572 tons of hot rolled bars, 20,757 tons of pipes and tubes, 26,241 tons of wire rods, 26,990 tons of black sheets, 9,961 tons of galvanized sheets, 10,147 tons of castings, 4,332 tons of miscellaneous hot rolled products, and 20,326 tons of all other products. The amount of producers' interchange was 106,199 tons in March, 1949, and 76,465 tons in February, 1949.

Of the amount shipped for sale during March, 57,916 tons went direct to railways and railway car shops; 11,157 tons went to pressing, forming and stamping plants; 34,396 tons to merchant trade products; 34,290 tons to building construction; 19,165 tons to the containers industry; 14,391 tons to agricultural equipment; 17,384 tons to the automotive industry; 12,174 tons to machinery plants; 3,349 tons to shipbuilding; 6,939 tons to mining, lumbering, etc., and 3,162 tons to miscellaneous industries. Wholesalers and warehousing accounted for 30,884 tons and exports for 17,306 tons. Producers' interchange or the tonnage shipped to producers' own works for further processing, totalled 106,199 tons in March, 1949.

Table 1 - Production of Pig Iron in Canada, March, and Year to Date, 1949

	March	Year to Date
	(Tons of 2,000 pounds)	
Basic	165,190	460,647
Foundry	19,201	54,306
Malleable	17,739	42,975
Total	202,130	557,928

Table 2 - Production of Steel Ingots and Castings in Canada, March, and Year to Date, 1949

	March		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	243,305	6,678	684,424	25,011
Electric	30,728	7,164	86,603	16,834
Total ingots	274,033	13,842	771,027	41,845
Steel castings	8,877	1,646	24,551	4,577
Total Ingots and Castings	282,910	15,488	795,578	46,422

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, March, 1949

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	8,603	5,610	2,916
Other semi-finished shapes, not for re-rolling by makers	48,533	3,168	62,544
Structural shapes and piling	18,214	14,788	...
Plates	18,448	19,494	...
Rails	28,769	27,332	...
Tie plates and track material -			
Splice bars	3,864	2,152	...
Tie plates	3,719	3,795	...
Spikes	939	920	...
Concrete reinforcing bars	6,296	6,966	...
Hot rolled bars for cold finishing	1,506	...	1,571
Other hot rolled bars	53,804	49,495	7,200
Pipes and tubes	21,215	20,757	...
Wire rods	25,812	26,197	127
Hot rolled black sheets	26,142	21,422	4,479
Cold reduced black sheets	9,055	5,568	1,984
Galvanized sheets	8,788	9,961	2
Steel castings	8,877	8,507	...
Miscellaneous hot rolled products	29,253	4,074	24,552
All other products	20,357	20,073	...
Total - Carbon Steel	342,194	250,279	105,375
<u>Alloy Steel</u>			
Billets, etc., for forging	1,780	1,754	...
Other semi-finished shapes, not for re-rolling by makers	824	...	824
Structural shapes and piling .....	...	...	...
Plates	100	174	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,343	8,111	...
Pipes and tubes .....	...	...	...
Wire rods	45	44	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,646	1,640	...
Miscellaneous hot rolled products	298	258	...
All other products	297	253	...
Total - Alloy Steel	12,333	12,234	824

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 4 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Three Months Ended March, 1949

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	31,936	21,611	9,956
Other semi-finished shapes, not for re-rolling by makers	139,584	3,532	146,421
Structural shapes and piling	45,866	42,932	...
Plates	55,403	56,682	73
Rails	81,276	87,229	...
Tie plates and track material -			
Splice bars	9,568	7,828	...
Tie plates	9,401	9,204	...
Spikes	2,862	2,906	...
Concrete reinforcing bars	22,005	21,114	...
Hot rolled bars for cold finishing	3,353	...	3,134
Other hot rolled bars	142,696	125,340	22,170
Pipes and tubes	55,539	48,908	...
Wire rods	79,798	78,587	1,209
Hot rolled black sheets	59,741	46,059	16,685
Cold reduced black sheets	23,896	17,270	4,796
Galvanized sheets	24,884	25,721	2
Steel castings	24,551	23,733	...
Miscellaneous hot rolled products	82,089	12,717	66,819
All other products	52,257	51,684	...
Total - Carbon Steel	946,705	683,057	271,265
<u>Alloy Steel</u>			
Billets, etc., for forging	4,310	4,110	...
Other semi-finished shapes, not for re-rolling by makers	1,160	...	1,160
Structural shapes and piling .....	...	...	...
Plates	505	554	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	17,716	18,939	...
Pipes and tubes .....	...	...	...
Wire rods	135	124	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	4,577	4,398	...
Miscellaneous hot rolled products	692	773	...
All other products	980	968	...
Total - Alloy Steel	30,075	29,866	1,160

Table 5 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, March and Year to Date, 1949

	March		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	9,770	7,614	21,962	17,541
Agricultural, including farm machinery	14,346	45	32,670	143
Building construction	34,255	35	92,231	222
Containers industry	19,162	3	48,898	7
Machinery and tools	11,727	447	32,042	1,525
Merchant trade products	34,304	92	96,888	441
Mining, lumbering, etc.	6,309	630	20,019	1,849
National defence	13	3	176	7
Pressing, forming and stamping	11,059	98	32,529	269
Public works and utilities	1,787	58	4,255	109
Railway operating	37,752	349	99,185	723
Railway cars and locomotives	19,492	323	54,709	811
Shipbuilding	3,298	51	7,666	279
Miscellaneous and unclassified	1,176	125	3,234	391
Wholesalers and warehouses	30,567	317	86,082	929
Direct export (a) to British Empire ..	239	1,147	23,395	2,697
(b) to other countries ..	15,023	897	27,116	1,923
Total Shipped for Sale	250,279	12,234	683,057	29,866
Producers' interchange	105,375	824	271,265	1,160

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, March, 1949 and Year to Date

Commodity	Country of Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Basic	United States	330	...	...	1,963	...	...
Foundry	United States	1,122	...	...	1,256	...	...
Malleable	United States	2,182	...	...	2,798	...	...
Silvery	United States	60	...	...	270	...	...
Charcoal	United States	...	...	...	60	...	...
Ingots	United States	7,375	19	...	17,704	19	...
Billets, blooms, slabs and sheet							
bars	United States	593	3	...	606	31	...
Tube rounds and tube billets	United States	1,089	...	...	2,448	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	6,236	411	4.5	15,857	1,042	16.3
	United Kingdom	...	...	8.5	1	...	16.2
	Belgium	1,707	...	...	3,741	...	...
	Sweden	1	...	...	1	...	...
Hot rolled -							
For agricultural implements	United States	1,592	368	...	6,061	1,124	...
Rounds over 4 $\frac{7}{8}$ " , squares over 4"	United States	57	28	...	218	58	...
	United Kingdom	...	...	...	18	...	...
Angles, channels, etc.	United States	1,090	...	.4	2,277	4	6.0
	Belgium	1,018	...	...	1,393	...	...
	United Kingdom	45	...	...	45	...	...
Structurals (bar sizes) for							
agricultural implements	United States	870	181	...	4,310	340	...
Sash or casement sections.....	United States	254	...	...	954	...	...
	United Kingdom	57	...	...	80	...	...
Cold rolled, n.o.p.	United States	633	36	7.9	2,286	51	32.5
	United Kingdom	...	...	...	1	6	.2
	Germany	...	...	...	...	2	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, March, 1949 and Year to Date (Continued)

Commodity	Country of Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and Sections - (concluded)							
Cold rolled, for agricultural implements	United States	719	...	...	2,125	4	...
Tool steel	United States	12	54	...	39	159	...
	United Kingdom	99	25	...	171	107	...
Structurals	United States	14,094	...	.8	38,256	...	2.9
	United Kingdom	170	...	...	441	...	...
	Belgium	386	...	...	604	...	...
Plates -							
78" and under in width	United States	4,346	1	39.0	10,027	184	105.8
	United Kingdom	744	...	3.1	2,118	...	3.1
Over 78" and under 100" in width..	United States	951	...	6.8	2,492	30	52.7
	United Kingdom	702	1	...	863	1	1.8
Over 100" in width	United States	465	...	7.6	1,179	...	7.6
	United Kingdom	...	...	...	65	...	19.0
Flanged, dished or curved	United States	99	...	...	330	...	.7
Boiler, pulp-mill digesters	United States	560	...	...	1,489	...	.7
Chequered or surface pattern	United States	910	...	...	2,693	...	...
Painted	United States	1	...	...	1	...	...
For saws	United States	...	...	...	...	1	...
Sheets -							
Silicon .075 or more	United States	...	1,976	...	...	6,072	...
	United Kingdom	...	53	...	...	249	...
Galvanized	United States	954	...	...	2,748	...	...
	United Kingdom	38	...	...	361	...	...
Hot rolled -							
18 gauge and heavier	United States	8,269	1	3.4	18,817	4	101.5
	Belgium	315	...	...	354	...	...
	United Kingdom	20	...	11.2	20	...	31.9
Lighter than 18 gauge	United States	1,614	1	2.7	4,428	2	56.3
	Belgium	48	...	...	186	...	...
	United Kingdom	...	...	...	45	...	...
For hollow ware (vitreous enamel)	United States	62	...	...	1,062	...	...
	United Kingdom	...	...	...	45	...	...
Corrugated	United States	380	...	...	670	...	...
Coated with paint, tar, asphaltum, etc.	United States	245	...	...	580	...	...
For saws	United States	...	44	...	17	168	...
	United Kingdom	...	3	...	...	5	...
For cold rolled strip	United States	58	...	...	183	...	...
Shaped for agricultural implements	United States	296	4	...	929	10	...
For tubes	United States	260	...	...	504	...	...
Cold rolled -							
18 gauge and heavier	United States	1,685	...	71.6	4,033	...	290.2
	United Kingdom	118	...	...	402	...	3.7
Lighter than 18 gauge	United States	4,941	...	177.5	11,594	18	438.1
	United Kingdom	222	...	...	867	...	...
For hollow ware (vitreous enamel)	United States	1,324	...	...	2,808	...	...
	United Kingdom	421	...	...	895	...	...
Black plate - Tin mill	United States	988	...	...	3,930	...	...
Coated with paint, tar, asphaltum, etc.	United States	129	...	...	317	...	...
For heating apparatus	United States	10	...	...	10	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, March, 1949 and Year to Date (Continued)

Commodity	Country of Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Cold rolled -							
For saws	Sweden	...	...	...	...	1	...
For tubes	United States	520	...	...	1,654	...	...
For tubular products	United States	...	...	...	6	...	...
For butt hinges	United States	22	...	...	71	...	...
Black plate - For tinning	United States	3,655	...	...	6,842	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	1,552	...	...	4,273	...	...
Slabs for conversion to tin plate,	United States	466	...	...	3,779	...	...
Tin plate - Primes	United States	1,237	...	...	3,986	...	...
	United Kingdom	...	...	...	49	...	...
Electrolytic (25#) ...	United States	2,283	...	...	6,250	...	...
(50#) ...	United States	35	...	...	124	...	...
Terne plate - Long	United States	430	...	...	1,307	...	...
Short	United States	813	...	...	2,318	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,476	...	.2	4,392	31	2.7
	Belgium	231	...	...	337	...	...
	United Kingdom	17	...	...	17	...	...
Lighter than 18 gauge	United States	236	...	...	607	...	6.1
For cold rolling	United States	968	...	...	1,432	...	...
Painted	United States	370	...	...	1,129	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	293	...	...	352	...	...
For saws	United States	29	45	...	120	87	...
For motor vehicles	United States	1,687	25	...	3,381	54	...
For hoops	United States	161	...	...	348	...	...
For tubes	United States	162	...	...	311	...	...
For tubular products	United States	18	...	...	32	...	...
Silicon .075 or more	United States	...	324	...	...	1,001	...
Cold rolled -							
18 gauge and heavier	United States	543	1	14.2	1,273	1	71.4
	United Kingdom	6	...	...	6	...	...
Lighter than 18 gauge	United States	576	19	103.1	1,879	20	267.1
	Sweden	15	...	...	22	...	.1
	United Kingdom	...	...	...	1	...	...
Painted	United States	20	...	...	134	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	27	...	...	146	...	...
For saws	United States	...	4	...	5	21	...
	Sweden	...	12	...	...	42	...
For tubes	United States	209	...	...	503	...	...
For tubular products	United States	195	...	...	378	...	...
For butt hinges	United States	130	...	...	380	...	...
Silicon .075 or more	United States	...	273	...	...	503	...
Galvanized strip	United States	859	...	...	2,371	...	...
Skelp -							
15 ³ / ₈ " and under in width	United States	8,226	...	...	16,310	...	...
	Belgium	5,679	...	...	14,467	...	...
Over 15 ³ / ₈ " in width	United States	269	...	...	1,569	...	...
Pipes and Tubes -							
Cast	United States	4	...	...	11	...	...
	United Kingdom	28	...	...	247	...	...
Bedstead	United States	1	...	...	16	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, March, 1949 and Year to Date (Continued)

Commodity	Country of Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and Tubes -(concluded)							
Repair of pressure parts of boilers -							
Hot finished	United States	657	...	...	2,131	70	...
Cold drawn	United States	130	6	...	384	9	4.7
	United Kingdom	1	...	...	1	...	...
Welded	United States	186	...	...	357	...	4.4
Repair of pulp mill digesters -							
Hot finished	United States	57	...	...	66	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	754	20	21.2	1,998	76	60.8
	United Kingdom	74	1	.3	95	3	2.0
Hot finished	United States	358	5	...	1,246	5	...
Seamless, over 12" in diameter -							
Hot finished	United States	46	...	...	196	...	...
Welded, 4" and under in diameter..	United States	2,009	...	1.8	5,471	...	7.2
	United Kingdom	257	...	...	613	...	2.4
Welded, over 4" in diameter	United States	278	...	...	779	...	.1
Tubing -							
Not over ½" diameter, welded and coated	United States	28	...	...	112	...	...
Casings	United States	5,640	...	...	11,270	...	...
Fittings and couplings	United States	243	...	1.5	795	...	4.2
Wire rope							
	United States	46	...	.3	78	...	.5
	United Kingdom	16	...	...	20	...	...
Wire -							
For wire rope	United States-	2,301	...	...	6,581	...	.1
	United Kingdom	3	...	...	22	...	...
For corset laces, steels, etc. ...	United States	11	...	...	56	...	...
	United Kingdom	1	...	...	3	...	...
For spring mattress, etc.	United States	421	...	...	1,896	...	...
For fencing, galvanized	United States	243	...	...	302	...	...
Wire cloth and netting	United States	192	...	.4	1,056	...	.8
	United Kingdom	...	...	...	16	...	...
Wire, coated	United States	56	...	...	256	...	...
	United Kingdom	...	...	...	2	...	...
Wire - All other	United States	1,420	6	26.7	3,312	6	38.5
	United Kingdom	1	...	...	1	...	...
Wire rods, not over ¾" in diameter..	United States	181	...	...	211	...	...
Welding wire and welding rods	United States	268	10	10.7	524	47	27.8
Castings -							
For agricultural implements	United States	181	...	...	638	...	...
For ingot moulds	United States	1,896	...	...	5,244	...	...
Malleable	United States	23	...	...	158	...	...
Non-malleable	United States	100	...	...	479	...	...
Steel	United States	354	5	.2	659	22	.6
For railway vehicles	United States	163	...	...	476	...	...
Rolls	United States	176	45	...	319	68	...
Piston rings (rough)	United States	18	...	...	82	...	...
Forgings							
	United States	111	129	.2	351	270	.3
	United Kingdom	1	37	...	69	37	...
Axles - For railway vehicles	United States	6	...	...	10	...	...

Table 6 - Imports into Canada of Primary Forms of Iron and Steel, March, 1949 and Year to Date (Concluded)

Commodity	Country of Origin	March			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wheels -							
For railway rolling stock	United States	185	...	...	682	...	...
	United Kingdom	647	...	...	1,764	...	...
Tires -							
For railway rolling stock	United States	544	...	...	1,537	...	...
	United Kingdom	132	...	...	235	...	...
Rails -							
60 lbs. and under	United States	7	...	...	14	...	...
Over 60 lbs. and including 100 lbs	United States	11	...	...	124	...	...
Over 100 lbs.	United States	14	...	...	62	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	59	...	...	126	...	...
Intersections, switches, frogs....	United States	13	...	...	42	...	...
Total Imports	United States	113,713	4,044	502.7	288,098	11,612	1,608.6
	All other	13,220	132	23.1	30,704	453	80.4
TOTAL		126,933	4,176	525.8	318,802	12,065	1,689.0

Table 7 - Exports from Canada of Primary Iron and Steel, March, 1949 and Year to Date

	March	Year to Date
(Tons of 2,000 pounds)		
Pig iron .....	...	1,121
Ingots, blooms and billets	5,449	13,593
Bars	1,067	4,835
Rods	71	226
Plates, sheets and strips	2,057	3,119
Rails	2,683	20,065
Structural shapes	2,555	2,643
Pipe and tubing - Wrought iron	108	180
Cast iron	124	158
Galvanized	2,852	5,322
Other	22	279
Castings, iron and steel	864	2,278
Forgings	50	303

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Government of Canada

MONTHLY REPORT

ON

PRIMARY IRON AND STEEL IN CANADA

1

APRIL - 1949

D.B.S.
PUBLICATION



**DOMINION BUREAU OF STATISTICS
DEPARTMENT OF TRADE AND COMMERCE**

**MONTHLY REPORT
ON
PRIMARY IRON AND STEEL IN CANADA
APRIL - 1949**

Published by Authority of the Rt. Hon. C. D. Howe
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section
of the Industry and Merchandising Division,
Dominion Bureau of Statistics, Ottawa

Monthly Report
on
PRIMARY IRON AND STEEL IN CANADA

APRIL - 1949

Pig Iron - Production of pig iron in Canada amounted to 180,740 net tons in April, compared with 170,785 tons in the corresponding month of last year. The total for the current month included 144,990 tons of basic iron, 24,181 tons of foundry iron and 11,569 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in April amounted to 24,427 net tons compared with 22,457 tons in the previous month and with 14,474 tons in April of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during April totalled 269,919 net tons compared with 264,266 tons in April of last year. Output in the month under review included 260,319 tons of ingots and 9,600 tons of castings.

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 248,165 net tons in April, 1949, compared with 262,513 net tons in March, 1949. The April, 1949 total included 13,375 tons of semi-finished shapes, 16,188 tons of structurals, 16,450 tons of plates, 32,912 tons of rails, 9,795 tons of tie plates and track material, 47,868 tons of hot rolled bars, 17,699 tons of pipes and tubes, 25,795 tons of wire rods, 26,737 tons of black sheets, 7,818 tons of galvanized sheets, 9,129 tons of castings, 3,763 tons of miscellaneous hot rolled products, and 20,636 tons of all other products. The amount of producers' interchange was 96,261 tons in April, 1949, and 106,199 tons in March, 1949.

Of the amount shipped for sale during April, 50,393 tons went direct to railways and railway car shops; 12,597 tons went to pressing, forming and stamping plants; 31,159 tons to merchant trade products; 32,617 tons to building construction; 20,274 tons to the containers industry; 8,522 tons to agricultural equipment; 12,410 tons to the automotive industry; 9,417 tons to machinery plants; 1,712 tons to shipbuilding; 5,993 tons to mining, lumbering, etc., and 2,322 tons to miscellaneous industries. Wholesalers and warehousing accounted for 28,497 tons and exports for 32,252 tons. Producers' interchange or the tonnage shipped to producers' own works for further processing, totalled 96,261 tons in April, 1949.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During March, 1949 and April, 1949

	<u>M a r c h</u>			<u>A p r i l</u>		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron -</u>						
Basic	152,475	12,715	165,190	141,469	3,521	144,990
Foundry	296	18,905	19,201	203	23,978	24,181
Malleable .....	...	17,739	17,739	...	11,569	11,569
Total Pig Iron	152,771	49,359	202,130	141,672	39,068	180,740
<u>Ferro-alloys</u> .....	...	22,457	22,457	...	24,427	24,427

Table 2 - Cumulative Production for the Four Months Ended April, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig Iron -</u>						
Basic	514,792	20,904	535,696	575,022	30,615	605,637
Foundry	7,234	63,525	70,759	709	77,778	78,487
Malleable .....	...	48,170	48,170	...	54,544	54,544
Total Pig Iron	522,026	132,599	654,625	575,731	162,937	738,668
<u>Ferro-alloys</u> .....	...	57,715	57,715	...	90,528	90,528

Table 3 - Iron Blast Furnace Charges During March and April, 1949 and Four Months Ended April, 1949

	March 1949	April 1949	Four Months Ended April, 1949
(Net tons of 2,000 pounds)			
Iron ore	267,601	340,124	1,344,460
Mill cinder, scale, sinter, etc. ..	34,175	34,602	144,389
Limestone	79,577	70,547	295,414
Dolomite	8,512	8,813	35,480
Coke	188,130	173,486	710,225
Scrap iron and steel	9,717	7,560	34,495

Table 4 - Iron Blast Furnaces in Canada

Name of Company	Location of Furnaces	Number of stacks	Total Annual Capacity (Net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, N. S.	4	730,000
Canadian Furnace Limited	Port Colborne, Ont.	2	221,760
The Steel Company of Canada, Ltd.	Hamilton, Ont.	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	5	1,035,000
Total		14	2,743,760

Table 5 - Description of Iron Blast Furnaces at End of April, 1949

Condition of Furnaces	Number of furnaces	Total Annual Capacity	
		Net tons	Per cent
In blast	12	2,554,950	93.1
Banked .....	...	...	...
Blown out	2	188,810	6.9
Total	14	2,743,760	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During March and April, 1949

	M a r c h			A p r i l		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	220,711	29,272	249,983	217,125	10,413	227,538
Electric	37,892	10	37,902	32,781	...	32,781
Total Steel Ingots ...	258,603	29,282	287,885	249,906	10,413	260,319
Alloy steel ingots included in above	11,570	...	11,570	14,087	...	14,087
<u>Steel Castings</u>						
Open hearth - Basic			2,663			2,693
Converter			3			16
Electric			7,910			6,891
Total Steel castings .			10,576			9,600
Alloy steel castings included in above			1,443			1,355
TOTAL INGOTS AND CASTINGS			298,461			269,919

Table 7 - Cumulative Production For the Four Months Ended April, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	851,696	6,932	858,628	877,486	59,486	936,972
Electric	148,021	966	148,987	136,198	30	136,228
Total Steel Ingots ...	999,717	7,898	1,007,615	1,013,684	59,516	1,073,200
Alloy steel ingots included in above	52,388	...	52,388	53,660	...	53,660
<u>Steel Castings</u>						
Open hearth - Basic			12,210			11,061
Converter			186			38
Electric			26,653			27,629
Total Steel Castings .			39,049			38,728
Alloy steel castings included in above			5,681			5,932
TOTAL INGOTS AND CASTINGS			1,046,664			1,111,928

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During March and April, 1949 and Four Months Ended April, 1949

	March 1949	April 1949	Four Months Ended April, 1949
	(Net tons of 2,000 pounds)		
Pig iron	160,587	143,148	593,820
Scrap - Own make	82,002	77,889	316,320
Purchased	90,102	80,789	329,312

Table 9 - Steel Furnace Capacity at End of April, 1949

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,985,000
Electric	505,000
Total Ingots	3,490,000
Steel castings	302,000
Total Ingots and Castings	3,792,000

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949

Month	Pig Iron	Ferro- alloys	S t e e l		Total Steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 4 8</u>					
January	160,042	17,125	247,768	8,958	256,726
February	151,123	11,823	230,183	9,463	239,646
March	172,675	14,293	275,349	10,677	286,026
April	170,785	14,474	254,315	9,951	264,266
May	193,305	18,436	279,688	9,879	289,567
June	183,763	13,502	249,710	9,655	259,365
July	187,940	12,939	238,104	6,768	244,872
August	191,383	12,700	254,362	8,692	263,054
September	182,465	12,318	248,622	9,243	257,865
October	186,424	19,489	272,127	9,739	281,866
November	166,771	17,594	267,671	10,307	277,978
December	174,233	23,708	271,128	9,297	280,425
Total	2,120,909	250,659	3,089,027	112,629	3,201,656
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,729	284,716
February	172,724	21,713	249,009	9,876	258,885
March	202,130	22,457	287,885	10,523	298,408
April	180,740	24,427	260,319	9,600	269,919
Total - Four Months	738,668	90,528	1,073,200	38,728	1,111,928

Table 11 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, April, 1949

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	10,530	7,199	3,655
Other semi-finished shapes, not for re-rolling by makers	45,421	5,209	46,714
Structural shapes and piling	15,294	16,188	...
Plates	16,939	16,399	...
Rails	25,312	32,912	...
Tie plates and track material -			
Splice bars	1,543	2,702	...
Tie plates	6,449	6,279	...
Spikes	738	814	...
Concrete reinforcing bars	5,867	6,799	...
Hot rolled bars for cold finishing	992	...	889
Other hot rolled bars	45,279	35,464	8,383
Pipes and tubes	19,324	17,699	...
Wire rods	27,516	25,656	774
Hot rolled black sheets	25,540	19,935	5,757
Cold reduced black sheets	7,932	6,802	1,440
Galvanized sheets	7,832	7,818	...
Steel castings	8,245	7,879	...
Miscellaneous hot rolled products	31,598	3,545	28,476
All other products	20,101	20,473	...
Total - Carbon Steel	322,452	239,772	96,088
<u>Alloy Steel</u>			
Billets, etc., for forging	828	967	...
Other semi-finished shapes, not for re-rolling by makers	173	...	173
Structural shapes and piling .....	...	...	...
Plates	62	51	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,336	5,605	...
Pipes and tubes .....	...	...	...
Wire rods	138	139	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,355	1,250	...
Miscellaneous hot rolled products	234	218	...
All other products	110	163	...
Total - Alloy Steel	9,236	8,393	173

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc..

Table 12 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Four Months Ended April, 1949

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	42,466	28,810	13,611
Other semi-finished shapes, not for re-rolling			
by makers	185,005	8,741	193,135
Structural shapes and piling	61,160	59,120	...
Plates	72,342	73,081	73
Rails	106,588	120,141	...
Tie plates and track material -			
Splice bars	11,111	10,530	...
Tie plates	15,850	15,483	...
Spikes	3,600	3,720	...
Concrete reinforcing bars	27,872	27,913	...
Hot rolled bars for cold finishing	4,345	...	4,023
Other hot rolled bars	187,975	160,804	30,553
Pipes and tubes	74,863	66,607	...
Wire rods	107,314	104,243	1,983
Hot rolled black sheets	85,281	65,994	22,442
Cold reduced black sheets	31,828	24,072	6,236
Galvanized sheets	32,716	33,539	2
Steel castings	32,796	31,612	...
Miscellaneous hot rolled products	113,687	16,262	95,295
All other products	72,358	72,157	...
Total - Carbon Steel	1,269,157	922,829	367,353
<u>Alloy Steel</u>			
Billets, etc., for forging	5,138	5,077	...
Other semi-finished shapes, not for re-rolling			
by makers	1,333	...	1,333
Structural shapes and piling .....	...	...	...
Plates	567	605	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	24,052	24,544	...
Pipes and tubes .....	...	...	...
Wire rods	273	263	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	5,932	5,648	...
Miscellaneous hot rolled products	926	991	...
All other products	1,090	1,131	...
Total - Alloy Steel	39,311	38,259	1,333

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, April and Year to Date, 1949

	April		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	7,808	4,602	29,770	22,143
Agricultural, including farm machinery	8,504	18	41,174	161
Building construction	32,515	102	124,746	324
Containers industry	20,272	2	69,170	9
Machinery and tools	8,941	476	40,983	2,001
Merchant trade products	30,853	306	127,741	747
Mining, lumbering, etc.	5,434	559	25,453	2,408
National defence	55	1	231	8
Pressing, forming and stamping	12,517	80	45,046	349
Public works and utilities	1,205	27	5,460	136
Railway operating	35,005	235	134,190	958
Railway cars and locomotives	14,976	177	69,685	988
Shipbuilding	1,682	30	9,348	309
Miscellaneous and unclassified	933	101	4,167	492
Wholesalers and warehouses	28,178	319	114,260	1,248
Direct export (a) to British Empire ..	6,803	524	30,198	3,221
(b) to other countries ..	24,091	834	51,207	2,757
Total Shipped for Sale	239,772	8,393	922,829	38,259
Producers' interchange	96,088	173	367,353	1,333

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, April, 1949 and Year to Date

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	2,144	...	...	4,107	...	...
	Belgium	568	...	...	568	...	...
Foundry	United States	539	...	...	1,795	...	...
Malleable	United States	650	...	...	3,448	...	...
Silvery	United States	275	...	...	545	...	...
Charcoal	United States	...	...	...	60	...	...
Ingots	United States	10,128	...	...	27,832	19	...
Billets, blooms, slabs and sheet							
bars	United States	32	1	...	638	32	...
Tube rounds and tube billets	United States	1,306	...	...	3,754	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	5,848	237	13.2	21,705	1,279	29.5
	United Kingdom	327	...	1.2	328	...	17.4
	Belgium	2,116	...	...	5,857	...	...
	Sweden	...	...	...	1	...	...
Hot rolled -							
For agricultural implements	United States	2,272	792	...	8,333	1,916	...
Rounds over 4 $\frac{1}{2}$ ", squares over 4"	United States	82	57	.5	300	115	.5
	United Kingdom	...	...	...	18	...	...
Angles, channels, etc.	United States	1,132	...	4.6	3,409	4	10.6
	Belgium	178	...	...	1,571	...	...
	United Kingdom	367	...	...	412	...	...
Structurals (bar sizes) for							
agricultural implements	United States	774	268	...	5,084	608	...
Sash or casement sections	United States	222	...	...	1,176	...	...
	United Kingdom	...	...	...	80	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, April, 1949 and Year to Date (Continued)

Commodity	Country of Origin	April			Year to Date			
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less	
		(Tons of 2,000 pounds)						
Bars and Sections - (concluded)								
Cold rolled, n.o.p.	United States	778	67	5.6	3,064	118	38.1	
	United Kingdom	...	...	1.1	1	6	1.3
	Germany	...	1	...	...	3	...
Cold rolled, for agricultural implements	United States	963	...	...	3,088	4	...
	United States	9	46	...	48	205	...	
	United Kingdom	107	40	...	278	147	...	
Tool steel	Belgium	2	...	...	2	...	...
	United States	13,829	42	...	52,085	42	2.9	
	United Kingdom	10	...	...	451	...	...
Structurals	Belgium	1,808	...	...	2,412	...	...
	Plates -							
78" and under in width	United States	4,561	71	15.5	14,588	255	121.3	
	United Kingdom	2,596	...	...	4,714	...	3.1
	Belgium	55	...	...	55	...	...
Over 78" and under 100" in width .	United States	1,847	...	6.0	4,339	30	58.7	
	United Kingdom	3,150	...	...	4,013	1	1.8
	Over 100" in width	United States	964	1	...	2,143	1	7.6
United Kingdom		1	...	...	66	...	19.0
Flanged, dished or curved		United States	98	4287
Boiler, pulp-mill digesters	United States	1,029	...	4.2	2,518	...	4.9	
Chequered or surface pattern	United States	1,036	...	...	3,729	...	...
Painted	United States	...	...	...	1	...	...
For saws	United States	...	...	...	...	1	...
Sheets -								
Silicon .075 or more	United States	...	2,407	...	...	8,479	...
	United Kingdom	...	75	...	...	324	...
	Galvanized	United States	1,038	3,786
United Kingdom		311	...	...	672	...	...
Hot rolled -								
18 gauge and heavier	United States	12,652	23	8.5	31,469	27	110.0	
	Belgium	164	...	...	518	...	...
	United Kingdom	73	...	6.7	93	...	38.6	
Lighter than 18 gauge	United States	1,434	...	...	5,862	2	56.3
	Belgium	5	...	...	191	...	...
	United Kingdom	...	...	...	45	...	...
For hollow ware (vitreous enamel)	United States	107	...	...	1,169	...	...
	United Kingdom	...	...	...	45	...	...
	Corrugated	United States	368	1,038
Coated with paint, tar, asphaltum, etc.	United States	63	...	...	643	...	...
	United States	1	67	...	18	235	...	
	United Kingdom	...	...	...	...	5	...
For cold rolled strip	United States	296	...	...	479	...	...
	United States	303	...	...	1,232	10	...
	Shaped for agricultural implements	United States	32	536
For tubes								
	Cold rolled -							
	18 gauge and heavier	United States	1,035	...	72.4	5,068	...	362.6
United Kingdom		58	...	...	460	...	3.7
Lighter than 18 gauge		United States	4,704	...	97.7	16,298	18	535.8
	United Kingdom	323	...	...	1,190	...	...
	For hollow ware (vitreous enamel)	United States	837	3,695
United Kingdom		268	...	...	1,163	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, April, 1949 and Year to Date (Continued)

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Cold rolled -							
Black plate - Tin mill	United States	1,062	...	...	4,992	...	...
Coated with paint, tar, asphaltum, etc.	United States	110	...	...	427	...	...
For heating apparatus	United States	23	...	...	33	...	...
For saws	Sweden	...	...	...	...	1	...
For tubes	United States	931	...	...	2,585	...	...
For tubular products	United States	...	...	...	6	...	...
For butt hinges	United States	...	...	...	71	...	...
Black plate - For tinning	United States	3,849	...	...	10,691	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	35	...	...	4,308	...	...
Slabs for conversion to tin plate.	United States	3,562	...	...	7,341	...	...
Tin plate - Primes	United States	1,492	...	...	5,478	...	...
	United Kingdom	19	...	...	68	...	...
Electrolytic (25#) ...	United States	1,583	...	...	7,833	...	...
(50#) ...	United States	26	...	...	150	...	...
Waste waste	United States	1	...	...	1	...	...
Terne plate - Long	United States	621	...	...	1,928	...	...
Short	United States	793	...	...	3,111	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,267	...	.4	5,659	31	3.1
	Belgium	25	...	...	362	...	...
	United Kingdom	32	...	...	49	...	...
Lighter than 18 gauge	United States	204	...	...	811	...	6.1
For cold rolling	United States	985	...	...	2,417	...	...
Painted	United States	294	...	...	1,423	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	159	...	...	511	...	...
For saws	United States	21	11	...	141	98	...
For motor vehicles	United States	476	26	...	3,857	80	...
For hoops	United States	207	...	...	555	...	...
For tubes	United States	...	...	...	311	...	...
For tubular products	United States	8	...	...	40	...	...
Silicon .075 or more	United States	...	646	...	...	1,647	...
Cold rolled -							
18 gauge and heavier	United States	598	...	24.4	1,871	1	95.8
	United Kingdom	28	4	...	34	4	...
Lighter than 18 gauge	United States	509	2	158.9	2,388	22	426.0
	Sweden	18	...	...	40	...	.1
	United Kingdom	12	...	...	13	...	...
Painted	United States	15	...	...	149	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	64	...	...	210	...	...
For saws	United States	...	5	...	5	26	...
	Sweden	...	8	...	...	50	...
For tubes	United States	58	...	...	561	...	...
For tubular products	United States	199	...	.3	577	...	.3
For butt hinges	United States	182	...	...	562	...	...
Silicon .075 or more	United States	...	144	...	...	647	...
Galvanized strip	United States	960	...	...	3,331	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, April, 1949 and Year to Date (Continued)

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Skelp -							
15 ³ / ₈ " and under in width	United States	12,173	...	...	28,483	...	...
	Belgium	1,397	...	...	15,864	...	...
Over 15 ³ / ₈ " in width	United States	939	...	...	2,508	...	...
Pipes and Tubes -							
Cast	United States	1	...	...	12	...	...
	United Kingdom	679	...	...	926	...	...
Bedstead	United States	20	...	...	36	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	937	29	...	3,068	99	...
	United Kingdom	173	...	...	173	...	...
Cold drawn	United States	242	...	...	626	9	4.7
	United Kingdom	330	...	...	331	...	...
Welded	United States	113	...	...	470	...	4.4
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	66	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	747	29	31.8	2,745	105	92.6
	United Kingdom	59	...	1.9	154	3	3.9
Hot finished	United States	508	15	...	1,754	20	...
Seamless, over 12" in diameter -							
Hot finished	United States	66	...	...	262	...	...
	United Kingdom	855	...	...	855	...	...
Welded, 4" and under in diameter..	United States	2,600	...	2.5	8,071	...	9.7
	United Kingdom	314	...	...	927	...	2.4
	Occupied Japan	21	...	...	21	...	...
Welded, over 4" in diameter	United States	907	...	...	1,686	...	.1
Tubing -							
Not over 1/2" diameter, welded and coated	United States	23	...	...	135	...	...
Casings	United States	7,324	...	...	18,594	...	...
Fittings and couplings	United States	204	...	1.6	999	...	5.8
Wire rope							
	United States	19	...	...	97	...	.5
	United Kingdom	6	...	...	26	...	...
Wire -							
For wire rope	United States	1,728	...	...	8,309	...	.1
	United Kingdom	54	...	...	76	...	...
For corset laces, steels, etc. ...	United States	5	...	...	61	...	...
	United Kingdom	1	...	...	4	...	...
For spring mattress, etc.	United States	208	...	...	2,104	...	...
For fencing, galvanized	United States	400	...	...	702	...	...
Wire cloth and netting	United States	308	...	.2	1,364	...	1.0
	United Kingdom	9	...	...	25	...	...
Wire, coated	United States	56	...	...	312	...	...
	United Kingdom	...	...	...	2	...	...
Wire - All other	United States	906	1	9.0	4,218	7	47.5
	United Kingdom	...	...	...	1	...	...
Wire rods, not over 3/8" in diameter .	United States	1,364	...	...	1,575	...	...
Welding wire and welding rods	United States	706	17	10.7	1,230	64	38.5
Castings -							
For agricultural implements	United States	154	...	...	792	...	...
For ingot moulds	United States	3,497	...	...	8,741	...	...
Malleable	United States	69	...	...	227	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, April, 1949 and Year to Date(Concluded)

Commodity	Country of Origin	April			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings - (concluded)							
Non-malleable	United States	141	...	...	620	...	...
Steel	United States	471	6	...	1,130	28	.6
For railway vehicles	United States	137	...	...	613	...	...
Rolls	United States	156	163	...	475	231	...
Piston rings (rough)	United States	15	...	...	97	...	...
Forgings							
	United States	125	115	.1	476	385	.4
	United Kingdom	76	113	...	145	150	...
Axles - For railway vehicles	United States	3	...	...	13	...	...
Wheels -							
For railway rolling stock	United States	139	...	...	821	...	...
	United Kingdom	198	...	...	1,962	...	...
Tires -							
For railway rolling stock	United States	977	...	...	2,514	...	...
	United Kingdom	44	...	...	279	...	...
Rails -							
60 lbs. and under	United States	105	...	...	119	...	...
Over 60 lbs. and including 100 lbs	United States	255	...	...	379	...	...
Over 100 lbs.	United States	101	...	...	163	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	118	...	...	244	...	...
Intersections, switches, frogs ...	United States	9	...	...	51	...	...
Total Imports	United States	132,708	5,288	468.1	420,806	16,900	2,076.7
	All other	16,837	241	10.9	47,541	694	91.3
TOTAL		149,545	5,529	479.0	468,347	17,594	2,168.0

Table 15 - Exports from Canada of Primary Iron and Steel, April, 1949 and Year to Date

	April	Year to Date
(Tons of 2,000 pounds)		
Pig iron .....	...	1,121
Ingots, blooms and billets	9,221	22,814
Bars	1,971	6,806
Rods	4	230
Plates, sheets and strips	5,044	8,163
Rails	5,114	25,179
Structural shapes	843	3,486
Pipe and tubing - Wrought iron	132	312
Cast iron	144	303
Galvanized	3,119	8,441
Other	11	290
Castings, iron and steel	810	3,088
Forgings	33	336

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UNIVERSITY OF TORONTO

Government of Canada

MONTHLY REPORT
ON
PRIMARY IRON AND STEEL IN CANADA
MAY - 1949



**DOMINION BUREAU OF STATISTICS
DEPARTMENT OF TRADE AND COMMERCE**

**MONTHLY REPORT
ON
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MAY - 1949**

Published by Authority of the Rt. Hon. C. D. Howe
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section,
of the Industry and Merchandising Division,
Dominion Bureau of Statistics, Ottawa

Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA

M A Y - 1949

Pig Iron - Production of pig iron in Canada amounted to 202,148 net tons in May compared with 193,305 tons in the corresponding month of last year. The total for the current month included 169,153 tons of basic iron, 17,559 tons of foundry iron and 15,436 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in May amounted to 20,652 net tons compared with 24,427 tons in the previous month and with 18,436 tons in May of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferromanganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during May totalled 283,808 net tons compared with 289,567 tons in May of last year. Output in the month under review included 273,359 tons of ingots and 10,449 tons of castings.

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 231,921 net tons in May, 1949, compared with 248,165 net tons in April, 1949. The May, 1949 total included 10,633 tons of semi-finished shapes, 10,039 tons of structurals, 15,524 tons of plates, 26,275 tons of rails, 7,433 tons of tie plates and track material, 55,336 tons of hot rolled bars, 21,661 tons of pipes and tubes, 24,213 tons of wire rods, 19,520 tons of black sheets, 8,882 tons of galvanized sheets, 8,827 tons of castings, 4,151 tons of miscellaneous hot rolled products, and 19,427 tons of all other products. The amount of producers' interchange was 85,685 tons in May, 1949, and 96,261 tons in April, 1949.

Of the amount shipped for sale during May, 45,044 tons went direct to railways and railway car shops; 11,009 tons went to pressing, forming and stamping plants; 31,122 tons to merchant trade products; 28,355 tons to building construction; 16,880 tons to the containers industry; 9,350 tons to agricultural equipment, 10,598 tons to the automotive industry; 10,485 tons to machinery plants; 1,357 tons to ship-building; 8,551 tons to mining, lumbering, etc., and 2,714 tons to miscellaneous industries. Wholesalers and warehousing accounted for 29,647 tons and exports for 26,809 tons. Producers' interchange or the tonnage shipped to producers' own works for further processing, totalled 85,685 tons in May, 1949.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During April and May, 1949

	A p r i l			M a y		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig Iron</u> -						
Basic	141,469	3,617(x)	145,086(x)	162,058	7,095	169,153
Foundry	203	23,978	24,181	1,220	16,339	17,559
Malleable .....	...	11,473(x)	11,473(x)	...	15,436	15,436
Total Pig Iron	141,672	39,068	180,740	163,278	38,870	202,148
<u>Ferro-alloys</u> .....	...	24,427	24,427	...	20,652	20,652

(x) Revised.

Table 2 - Cumulative Production for the Five Months Ended May, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig Iron -</u>						
Basic	667,914	24,619	692,533	737,080	37,710	774,790
Foundry	8,070	84,123	92,193	1,929	94,117	96,046
Malleable .....	...	63,204	63,204	...	69,980	69,980
Total Pig Iron	675,984	171,946	847,930	739,009	201,807	940,816
<u>Ferro-alloys</u> .....	...	76,151	76,151	...	111,180	111,180

Table 3 - Iron Blast Furnace Charges During April and May, 1949, and Five Months Ended May, 1949

	April 1949	May 1949	Five Months Ended May, 1949
(Net tons of 2,000 pounds)			
Iron ore	340,124	369,440	1,713,900
Mill cinder, scale, sinter, etc. ..	34,602	32,679	136,449
Limestone	70,547	80,511	435,292
Dolomite	8,813	10,571	59,221
Coke	173,486	188,540	1,029,885
Scrap iron and steel	7,560	11,508	42,272

Table 4 - Iron Blast Furnaces in Canada

Name of Company	Location of Furnaces	Number of stacks	Total Annual Capacity (Net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, N.S.	4	730,000
Canadian Furnace Limited	Port Colborne, Ont.	2	221,760
The Steel Company of Canada, Ltd.	Hamilton, Ont.	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	5	1,035,000
Total		14	2,743,760

Table 5 - Description of Iron Blast Furnaces at End of May, 1949

Condition of Furnaces	Number of furnaces	Total Annual Capacity	
		Net tons	Per cent
In blast	12	2,554,950	92.0
Banked .....	...	...	...
Blown out	2	188,810	8.0
Total	14	2,743,760	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During April and May, 1949

	A p r i l			M a y		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - Basic	217,125	10,413	227,538	240,829	10,449	251,278
Electric	32,781	...	32,781	32,530	...	32,530
Total Steel Ingots ...	249,906	10,413	260,319	273,359	10,449	283,808
Alloy steel ingots included in above	14,087	...	14,087	9,233	...	9,233
<u>Steel Castings</u>						
Open hearth - Basic	233	2,460	2,693	169	2,407	2,576
Converter	1	15	16	2	...	2
Electric	1,123	5,817	6,940	1,277	5,516	6,793
Total Steel Castings	1,357	8,292	9,649	1,448	7,923	9,371
Alloy steel castings included in above	494	853	1,347	454	945	1,399
TOTAL INGOTS AND CASTINGS	251,263	18,705	269,968	274,807	18,372	293,179

Table 7 - Cumulative Production For the Five Months Ended May, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - Basic	1,085,076	9,359	1,094,435	1,118,315	69,935	1,188,250
Electric	191,667	1,201	192,868	168,728	30	168,758
Total Steel Ingots ...	1,276,743	10,560	1,287,303	1,287,043	69,965	1,357,008
Alloy steel ingots included in above	70,117	...	70,117	62,893	...	62,893
<u>Steel Castings</u>						
Open hearth - Basic	913	14,195	15,108	1,064	12,573	13,637
Converter	16	208	224	7	33	40
Electric	5,379	28,217	33,596	6,192	28,709	34,901
Total Steel Castings	6,308	42,620	48,928	7,263	41,315	48,578
Alloy steel castings included in above	2,325	4,967	7,292	2,609	4,619	7,228
TOTAL INGOTS AND CASTINGS	1,283,051	53,180	1,336,231	1,294,306	111,280	1,405,586

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During April and May, 1949 and Five Months Ended May, 1949

	April 1949	May 1949	Five Months Ended May, 1949
	(Net tons of 2,000 pounds)		
Pig iron	143,148	163,704	757,524
Scrap - Own make	77,889	81,003	397,323
Purchased	80,789	77,085	406,397

Table 9 - Steel Furnace Capacity at End of May, 1949

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,985,000
Electric	505,000
Total Ingots	3,490,000
Steel castings	302,000
Total Ingots and Castings	3,792,000

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949

Month	Pig Iron	Ferro- alloys	S t e e l		Total Steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 4 8</u>					
January	160,042	17,125	247,768	8,958	256,726
February	151,123	11,823	230,183	9,463	239,646
March	172,675	14,293	275,349	10,677	286,026
April	170,785	14,474	254,315	9,951	264,266
May	193,305	18,436	279,688	9,879	289,567
June	183,763	13,502	249,710	9,655	259,365
July	187,940	12,939	238,104	6,768	244,872
August	191,383	12,700	254,362	8,692	263,054
September	182,465	12,318	248,622	9,243	257,865
October	186,424	19,489	272,127	9,739	281,866
November	166,771	17,594	267,671	10,307	277,978
December	174,233	23,708	271,128	9,297	280,425
Total	2,120,909	250,659	3,089,027	112,629	3,201,656
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	273,359	10,449	283,808
Total - Five Months	940,816	111,180	1,346,559	49,656	1,396,215

Table 11 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, May, 1949

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	7,500	5,319	2,280
Other semi-finished shapes, not for re-rolling by makers	45,821	5,112	44,400
Structural shapes and piling	9,229	10,039	...
Plates	16,452	15,497	...
Rails	26,949	26,275	...
Tie plates and track material -			
Splice bars	1,437	1,632	...
Tie plates	4,641	4,773	...
Spikes	1,039	1,028	...
Concrete reinforcing bars	8,905	7,910	...
Hot rolled bars for cold finishing	1,279	...	1,311
Other hot rolled bars	47,481	42,507	7,980
Pipes and tubes	17,102	21,661	...
Wire rods	23,445	24,123	151
Hot rolled black sheets	21,045	13,332	7,119
Cold reduced black sheets	8,877	6,188	1,659
Galvanized sheets	9,222	8,882	9
Steel castings	7,822	7,536	...
Miscellaneous hot rolled products	28,302	3,922	20,291
All other products	20,304	19,157	...
Total - Carbon Steel	306,852	224,893	85,200
<u>Alloy Steel</u>			
Billets, etc., for forging	309	202	...
Other semi-finished shapes, not for re-rolling by makers	485	...	485
Structural shapes and piling .....	...	...	...
Plates	19	27	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	4,952	4,919	...
Pipes and tubes .....	...	...	...
Wire rods	91	90	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,438	1,291	...
Miscellaneous hot rolled products	165	229	...
All other products	322	270	...
Total - Alloy Steel	7,781	7,028	485

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Five Months Ended May, 1949

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	49,966	34,129	15,891
Other semi-finished shapes, not for re-rolling by makers	230,826	13,853	237,535
Structural shapes and piling	70,389	69,159	...
Plates	88,794	88,578	73
Rails	133,537	146,416	...
Tie plates and track material -			
Splice bars	12,548	12,162	...
Tie plates	20,491	20,256	...
Spikes	4,639	4,748	...
Concrete reinforcing bars	36,777	35,823	...
Hot rolled bars for cold finishing	5,624	...	5,334
Other hot rolled bars	235,456	203,311	38,533
Pipes and tubes	91,965	88,268	...
Wire rods	130,759	128,366	2,134
Hot rolled black sheets	106,326	79,326	29,561
Cold reduced black sheets	40,705	30,260	7,895
Galvanized sheets	41,938	42,421	11
Steel castings	40,618	39,148	...
Miscellaneous hot rolled products	141,989	20,184	115,586
All other products	92,662	91,314	...
Total - Carbon Steel	1,576,009	1,147,722	452,553
<u>Alloy Steel</u>			
Billets, etc., for forging	5,447	5,279	...
Other semi-finished shapes, not for re-rolling by makers	1,818	...	1,818
Structural shapes and piling .....	...	...	...
Plates	586	632	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	29,004	29,463	...
Pipes and tubes .....	...	...	...
Wire rods	364	353	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	7,370	6,939	...
Miscellaneous hot rolled products	1,091	1,220	...
All other products	1,412	1,401	...
Total - Alloy Steel	47,092	45,287	1,818

Primary Iron and Steel

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Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, May and Year to Date, 1949

	M a y		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	6,015	4,583	35,785	26,726
Agricultural, including farm machinery	9,319	31	50,493	192
Building construction	28,291	64	153,037	388
Containers industry	16,877	3	86,047	12
Machinery and tools	10,170	315	51,153	2,316
Merchant trade products	30,985	137	158,726	884
Mining, lumbering, etc.	8,094	457	33,547	2,865
National defence	12	1	243	9
Pressing, forming and stamping	10,934	75	55,980	424
Public works and utilities	1,468	60	6,928	196
Railway operating	26,327	133	160,517	1,091
Railway cars and locomotives	18,448	136	88,133	1,124
Shipbuilding	1,343	14	10,691	323
Miscellaneous and unclassified	1,056	117	5,223	609
Wholesalers and warehouses	29,488	159	143,748	1,407
Direct export (a) to British Empire ..	18,537	197	48,735	3,418
(b) to other countries .	7,529	546	58,736	3,303
Total Shipped for Sale	224,893	7,028	1,147,722	45,287
Producers' interchange	85,200	485	452,553	1,818

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, May, 1949 and Year to Date

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Basic	United States	3,162	...	...	7,269	...	...
	Belgium	...	...	...	568	...	...
Foundry	United States	760	...	...	2,555	...	...
Malleable	United States	1,085	...	...	4,533	...	...
Silvery	United States	233	...	...	778	...	...
Charcoal	United States	...	...	...	60	...	...
Ingots	United States	3,059	...	...	30,891	19	...
Billets, blooms, slabs and sheet							
bars	United States	72	...	...	710	32	...
Tube rounds and tube billets	United States	...	...	...	3,754	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	5,893	562	8.1	27,598	1,841	37.6
	United Kingdom	26	...	5.5	354	...	22.9
	Belgium	589	...	...	6,446	...	...
	Sweden	1	...	...	2	...	...
Hot rolled -							
For agricultural implements	United States	1,886	387	...	10,219	2,303	...
Rounds over 4 ⁷ / ₈ ", squares over 4"	United States	112	11	...	412	126	.5
	United Kingdom	...	...	...	18	...	...
Angles, channels, etc.	United States	1,118	...	2.0	4,527	4	12.6
	Belgium	619	...	...	2,190	...	...
	United Kingdom	146	...	...	558	...	...
Structurals (bar sizes) for							
agricultural implements	United States	484	307	...	5,568	915	...
Sash or casement sections	United States	88	...	...	1,264	...	...
	United Kingdom	...	...	...	80	...	...
Cold rolled, n.o.p.	United States	732	28	3.5	3,796	146	41.6
	United Kingdom	...	...	.8	1	6	2.1
	Germany	...	1	...	...	4	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, May, 1949 and Year to Date (Continued)

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and Sections - (concluded)							
Cold rolled, for agricultural implements	United States	981	35	...	4,069	39	...
Tool steel	United States	14	38	...	62	243	...
	United Kingdom	72	30	...	350	177	...
	Belgium	...	...	...	2	...	...
Structurals	United States	20,758	...	.6	72,843	42	3.5
	United Kingdom	59	...	...	510	...	...
	Belgium	6,074	...	...	8,486	...	...
Plates -							
78" and under in width	United States	4,021	13	27.2	18,609	268	148.5
	United Kingdom	3,049	...	.6	7,763	...	3.7
	Belgium	35	...	...	90	...	...
Over 78" and under 100" in width .	United States	1,354	...	...	5,693	30	58.7
	United Kingdom	2,946	...	...	6,959	1	1.8
100" in width and over	United States	706	...	...	2,849	1	7.6
	United Kingdom	...	...	...	66	...	19.0
Flanged, dished or curved	United States	61	...	...	489	...	.7
Boiler, pulp-mill digesters	United States	1,379	...	...	3,897	...	4.9
	United Kingdom	223	...	...	223	...	...
Chequered or surface pattern	United States	991	...	...	4,720	...	...
Painted	United States	2	...	...	3	...	...
For saws	United States	...	...	...	...	1	...
Sheets -							
Silicon .075 or more	United States	...	1,644	...	...	10,123	...
	United Kingdom	...	91	...	...	415	...
Galvanized	United States	1,824	...	...	5,610	...	...
	United Kingdom	70	...	...	742	...	...
Hot rolled -							
18 gauge and heavier	United States	9,748	...	16.0	41,217	27	126.0
	Belgium	333	...	...	851	...	...
	United Kingdom	60	...	9.2	153	...	47.8
Lighter than 18 gauge	United States	1,452	1	...	7,314	3	56.3
	Belgium	93	...	...	284	...	...
	United Kingdom	69	...	1.2	114	...	1.2
For hollow ware (vitreous enamel)	United States	88	...	...	1,257	...	...
	United Kingdom	...	...	...	45	...	...
Corrugated	United States	554	...	...	1,592	...	...
Coated with paint, tar, asphaltum, etc.	United States	98	...	...	741	...	...
For saws	United States	1	35	...	19	270	...
	United Kingdom	...	4	...	...	9	...
For cold rolled strip	United States	277	...	...	756	...	...
Shaped for agricultural implements	United States	111	33	...	1,343	43	...
For tubes	United States	258	...	...	794	...	...
Cold rolled -							
18 gauge and heavier	United States	1,347	...	61.0	6,415	...	423.6
	United Kingdom	51	...	...	511	...	3.7
Lighter than 18 gauge	United States	3,436	...	87.2	19,734	18	623.0
	United Kingdom	212	...	...	1,402	...	...
For hollow ware (vitreous enamel)	United States	845	...	...	4,540	...	...
	United Kingdom	103	...	...	1,266	...	...
Black plate - Tin mill	United States	353	...	...	5,345	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, May, 1949 and Year to Date (Continued)

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Cold rolled -							
Coated with paint, tar, asphaltum, etc.	United States	79	...	...	506	...	...
For heating apparatus	United States	10	...	...	43	...	...
For saws	Sweden	...	...	...	...	1	...
For tubes	United States	409	...	...	2,994	...	...
For tubular products	United States	...	...	...	6	...	...
For butt hinges	United States	...	...	...	71	...	...
Black plate - For tinning	United States	2,070	...	...	12,761	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	...	...	...	4,308	...	...
Slabs for conversion to tin plate.	United States	5,805	...	...	13,146	...	...
Tin plate - Primes	United States	902	...	...	6,380	...	...
	United Kingdom	14	...	...	82	...	...
Electrolytic (25#) ...	United States	2,078	...	...	9,911	...	...
(50#) ...	United States	...	...	...	150	...	...
Waste waste	United States	8	...	...	9	...	...
Terne plate - Long	United States	401	...	...	2,329	...	...
Short	United States	213	...	...	3,324	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	987	56	11.5	6,646	87	14.6
	Belgium	374	...	...	736	...	...
	United Kingdom	89	...	...	138	...	...
Lighter than 18 gauge	United States	89	...	...	900	...	6.1
For cold rolling	United States	1,730	...	...	4,147	...	...
Painted	United States	120	...	...	1,543	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	45	...	...	556	...	...
For saws	United States	15	47	...	156	145	...
For motor vehicles	United States	1,240	...	...	5,097	80	...
For hoops	United States	230	...	...	785	...	...
For tubes	United States	...	...	...	311	...	...
For tubular products	United States	...	...	...	40	...	...
Silicon .075 or more	United States	...	311	...	...	1,958	...
Cold rolled -							
18 gauge and heavier	United States	467	...	16.4	2,338	1	112.2
	United Kingdom	24	...	...	58	4	...
Lighter than 18 gauge	United States	464	1	114.8	2,852	23	540.8
	Sweden	11	...	...	51	...	.1
	United Kingdom	...	...	...	13	...	...
Painted	United States	84	...	...	233	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	15	...	...	225	...	...
For saws	United States	...	7	...	5	33	...
	Sweden	...	4	...	...	54	...
For tubes	United States	309	...	...	870	...	...
For tubular products	United States	132	...	...	709	...	.3
For butt hinges	United States	84	...	...	646	...	...
Silicon .075 or more	United States	...	67	...	...	714	...
Galvanized strip	United States	605	...	...	3,936	...	...
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	5,794	...	...	34,277	...	...
	Belgium	4,966	...	...	20,830	...	...
Over 15 $\frac{3}{8}$ " in width	United States	492	...	...	3,000	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, May, 1949 and Year to Date (Continued)

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and Tubes -							
Cast	United States	3	...	...	15	...	...
	United Kingdom	560	...	...	1,486	...	...
Bedstead	United States	5	...	...	41	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	1,066	35	...	4,134	15	...
	United Kingdom	45	...	...	218	...	...
Cold drawn	United States	212	1	...	838	10	4.7
	United Kingdom	...	...	...	331	...	...
Welded	United States	207	...	.9	677	...	5.3
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	66	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	534	43	14.7	3,279	148	107.3
	United Kingdom	95	1	3.4	249	4	7.3
	Sweden	2	...	...	2	...	...
Hot finished	United States	844	21	...	2,598	41	...
Seamless, over 12" in diameter -							
Hot finished	United States	156	...	...	418	...	...
	United Kingdom	2,004	...	...	2,859	...	...
Welded, 4" and under in diameter .	United States	2,850	...	.5	10,921	...	10.2
	United Kingdom	113	...	...	1,040	...	2.4
	Occupied Japan	...	...	...	21	...	...
Welded, over 4" in diameter	United States	681	...	...	2,367	...	.1
Tubing -							
Not over ½" diameter, welded and coated	United States	18	...	...	153	...	...
Casings	United States	4,189	...	...	22,783	...	...
	France	324	...	...	324	...	...
Fittings and couplings	United States	170	...	1.2	1,169	...	7.0
Wire rope	United States	53	...	.2	150	...	.7
	United Kingdom	5	...	...	31	...	...
Wire -							
For wire rope	United States	1,067	...	.2	9,376	...	.3
	United Kingdom	27	...	...	103	...	...
For corset laces, steels, etc. ...	United States	7	...	...	68	...	...
	United Kingdom	1	...	...	5	...	...
For spring mattress, etc.	United States	76	...	...	2,180	...	...
For fencing, galvanized	United States	258	...	...	960	...	...
Wire cloth and netting	United States	99	...	.1	1,463	...	1.1
	United Kingdom	...	...	...	25	...	...
Wire, coated	United States	162	...	...	474	...	...
	United Kingdom	...	...	...	2	...	...
Wire - All other	United States	1,060	...	1.6	5,278	7	49.1
	United Kingdom	...	...	...	1	...	...
	Germany	1	...	...	1	...	...
Wire rods, not over ¾" in diameter .	United States	1,330	...	...	2,905	...	...
Welding wire and welding rods	United States	293	23	18.4	1,523	87	56.9
Castings -							
For agricultural implements	United States	156	...	...	948	...	...
For ingot moulds	United States	2,652	...	...	11,393	...	...
Malleable	United States	8	...	...	235	...	...
Non-malleable	United States	213	...	...	833	...	...
Steel	United States	508	5	...	1,638	33	.6
For railway vehicles	United States	187	...	...	800	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, May, 1949 and Year to Date (Concluded)

Commodity	Country of Origin	M a y			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings - (concluded)							
Rolls	United States	176	139	...	651	370	...
	United Kingdom	4	...	...	4	...	...
Piston rings (rough)	United States	34	...	...	131	...	...
Forgings	United States	138	...	...	614	385	.4
	United Kingdom	36	26	...	181	176	...
Axles - For railway vehicles	United States	38	...	...	51	...	...
Wheels -							
For railway rolling stock	United States	220	...	...	1,041	...	...
	United Kingdom	948	...	...	2,910	...	...
Tires -							
For railway rolling stock	United States	685	...	...	3,199	...	...
	United Kingdom	340	...	...	619	...	...
Rails -							
60 lbs. and under	United States	52	...	...	171	...	...
Over 60 lbs. and including 100 lbs	United States	5	...	...	384	...	...
Over 100 lbs.	United States	3	...	...	166	...	...
Grooved for electric tramways	United States	239	...	...	239	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	109	...	...	353	...	...
Intersections, switches, frogs ...	United States	14	...	...	65	...	...
Total Imports	United States	114,997	3,850	386.1	535,803	20,750	2,462.8
	All other	24,813	157	20.7	72,354	851	112.0
TOTAL		139,810	4,007	406.8	608,157	21,601	2,574.8

Table 15 - Exports from Canada of Primary Iron and Steel, May, 1949 and Year to Date

	May	Year to Date
(Tons of 2,000 pounds)		
Pig iron .....	...	1,121
Ingots, blooms and billets	6,814	29,628
Bars	1,022	7,828
Rods .....	...	230
Plates, sheets and strips	3,863	12,026
Rails	11,741	36,920
Structural shapes	1,138	4,624
Pipe and tubing - Wrought iron	37	350
Cast iron	162	464
Galvanized	1,909	10,350
Other	4	294
Castings, iron and steel	440	3,528
Forgings	26	362

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BAROMETRICS FILE #1

UNIVERSITY OF TORONTO
DEPT. OF POLITICAL SCIENCE

Government of Canada

MONTHLY REPORT
ON
PRIMARY IRON AND STEEL IN CANADA
JUNE - 1949

^R**D.B.S.**
PUBLICATION



**DOMINION BUREAU OF STATISTICS
DEPARTMENT OF TRADE AND COMMERCE**

**MONTHLY REPORT
ON
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JUNE - 1949**

Published by Authority of the Rt. Hon. C. D. Howe
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section,
of the Industry and Merchandising Division,
Dominion Bureau of Statistics, Ottawa

PRIMARY IRON AND STEEL IN CANADA

J U N E - 1949

Pig Iron - Production of pig iron in Canada amounted to 194,255 net tons in June compared with 183,763 tons in the corresponding month of last year. The total for the current month included 158,742 tons of basic iron, 17,999 tons of foundry iron and 17,514 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in June amounted to 19,264 net tons compared with 20,652 tons in the previous month and with 13,502 tons in June of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during June totalled 270,455 net tons compared with 259,365 tons in June of last year. Output in the month under review included 261,476 tons of ingots and 8,979 tons of castings.

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 225,468 net tons in June, 1949, compared with 231,921 tons in May. The June shipments included 9,554 tons of semi-finished shapes, 15,610 tons of structurals, 15,521 tons of plates, 24,508 tons of rails, 8,027 tons of tie plates and track material, 51,166 tons of hot-rolled bars, 18,645 tons of pipes and tubes, 23,244 tons of wire rods, 19,885 tons of black sheets, 8,938 tons of galvanized sheets, 8,120 tons of castings, and 22,250 tons of other rolled products. The amount of producers' interchange was 84,736 tons in June as against 85,685 tons in May.

Of the amounts shipped for sale during June, 43,101 tons went direct to railways and railway car shops; 11,146 tons went to pressing, forming and stamping plants; 28,114 tons to merchant trade products; 35,612 tons to building construction; 18,270 tons to the containers industry; 8,629 tons to agricultural equipment; 10,216 tons to the automotive industry; 9,109 tons to machinery plants; 959 tons to shipbuilding; 8,744 tons to mining, lumbering, etc; and 3,488 tons to miscellaneous industries, wholesalers and warehousing accounted for 31,077 tons and exports for 16,603 tons. Producers' interchange or the tonnage shipped to producers' own works for further processing totalled 84,736 tons in June, 1949.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During May, 1949 and June, 1949

	<u>M a y</u>			<u>J u n e</u>		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	162,058	7,095	169,153	154,201	4,541	158,742
Foundry	1,220	16,339	17,559	500	17,499	17,999
Malleable .....	...	15,436	15,436	...	17,514	17,514
Total Pig Iron	163,278	38,870	202,148	154,701	39,554	194,255
<u>Ferro-alloys</u> - .....	...	20,652	20,652	...	19,264	19,264

Table 2 - Cumulative Production for the Six Months Ended June, 1948 and 1949

	<u>1 9 4 8</u>			<u>1 9 4 9</u>		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	807,251	33,923	841,174	891,281	42,347	933,628
Foundry	8,910	102,092	111,002	2,429	111,616	114,045
Malleable .....	...	79,517	79,517	...	87,398	87,398
Total Pig Iron	816,161	215,532	1,031,693	893,710	241,361	1,135,071
<u>Ferro-alloys</u> - .....	...	89,653	89,653	...	130,444	130,444

Table 3 - Iron Blast Furnace Charges During May and June, 1949 and Six Months Ended June, 1949

	May 1949	June 1949	Six Months Ended June, 1949
(Net tons of 2,000 pounds)			
Iron ore	369,440	346,302	2,060,202
Mill cinder, scale, sinter, etc. ..	32,679	44,789	221,857
Limestone	80,511	74,077	450,002
Dolomite	10,571	10,502	56,553
Coke	188,540	178,831	1,077,596
Scrap iron and steel	11,508	8,410	54,413

Table 4 - Iron Blast Furnaces in Canada

Name of Company	Location of Furnaces	Number of stacks	Total Annual Capacity (Net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova.Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	221,760
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste.Marie, Ontario	5	1,035,000
Total		14	2,743,760

Table 5 - Description of Iron Blast Furnaces at End of June, 1949

Condition of Furnaces	Number of furnaces	Total Annual Capacity	
		Net tons	per cent
In blast	11	2,194,950	80
Banked .....	...	...	...
Blown out	3	548,810	20
Total	14	2,743,760	100

(b) Steel Ingots and Steel Castings

Table 6 - Production During May and June, 1949

	M a y			J u n e		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	240,829	10,449	251,278	220,324	7,690	228,014
Electric	32,530	...	32,530	32,242	1,220	33,462
Total Steel Ingots	273,359	10,449	283,808	252,566	8,910	261,476
Alloy steel ingots included in above	9,233	...	9,233	10,560	...	10,560
<u>Steel Castings</u>						
Open hearth - Basic	169	2,407	2,576	150	2,702	2,852
Converter	2	...	2	2	18	20
Electric	1,277	5,516	6,793	1,346	4,761	6,107
Total Steel castings ...	1,448	7,923	9,371	1,498	7,481	8,979
Alloy steel castings included in above	454	945	1,399	534	744	1,278
TOTAL INGOTS AND CASTINGS .	274,807	18,372	293,179	254,064	16,391	270,455

Primary Iron and Steel

- 3 -

Table 7 - Cumulative Production For the Six Months Ended June, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	1,282,300	20,514	1,302,814	1,338,639	77,625	1,416,264
Electric	232,988	1,211	234,199	200,970	1,250	202,220
Total Steel Ingots	1,515,288	21,725	1,537,013	1,539,609	78,875	1,618,484
Alloy steel ingots included in above	79,293	...	79,293	73,453	...	73,453
<u>Steel Castings</u>						
Open hearth - Basic	1,059	16,778	17,837	1,214	15,275	16,489
Converter	18	242	260	9	51	60
Electric	6,427	34,059	40,486	7,538	33,470	41,008
Total Steel Castings ..	7,504	51,079	58,583	8,761	48,796	57,557
Alloy steel castings included in above	2,776	6,099	8,875	3,143	5,363	8,506
TOTAL INGOTS AND CASTINGS	1,522,792	72,804	1,595,596	1,548,370	127,671	1,676,041

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During May and June, 1949 and Six Months Ended June, 1949

	May, 1949	June, 1949	Six Months Ended June, 1949
(Net tons of 2,000 pounds)			
Pig iron	163,704	150,727	908,251
Scrap - Own make	81,003	74,852	472,175
Purchased	77,085	68,415	474,812

Table 9 - Steel Furnace Capacity at End of June, 1949

	Annual Capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	2,985,000
Electric	551,000
Total Ingots	3,536,000
Steel castings	302,000
Total Ingots and Castings	3,838,000

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949

Month	Pig Iron	Ferro- alloys	Steel		Total Steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 4 8</u>					
January	160,042	17,125	247,768	8,958	256,726
February	151,123	11,823	230,183	9,463	239,646
March	172,675	14,293	275,349	10,677	286,026
April	170,785	14,474	254,315	9,951	264,266
May	193,305	18,436	279,688	9,879	289,567
June	183,763	13,502	249,710	9,655	259,365
July	187,940	12,939	238,104	6,768	244,872
August	191,383	12,700	254,362	8,692	263,054
September	182,465	12,318	248,622	9,243	257,865
October	186,424	19,489	272,127	9,739	281,866
November	166,771	17,594	267,671	10,307	277,978
December	174,233	23,708	271,128	9,297	280,425
Total	2,120,909	250,659	3,089,027	112,629	3,201,656

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949 (Concluded)

Month	Pig Iron	Ferro- alloys	Steel		Total Steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
Total - Six Months	1,135,071	130,444	1,618,484	57,557	1,676,041

Table 11 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, June, 1949

	Production (Including producers' interchange)	Shipments	
		For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	5,900	4,040	2,052
Other semi-finished shapes, not for re-rolling by makers	48,736	5,102	42,486
Structural shapes and piling	16,988	15,610	...
Plates	15,433	15,518	...
Rails	27,058	24,508	...
Tie plates and track material -			
Splice bars	1,208	1,147	...
Tie plates	5,650	5,472	...
Spikes	1,496	1,408	...
Concrete reinforcing bars	8,733	8,393	...
Hot rolled bars for cold finishing	353	...	385
Other hot rolled bars	46,648	37,630	7,499
Pipes and tubes	21,305	18,645	...
Wire rods	23,450	23,228	243
Hot rolled black sheets	18,931	10,495	7,128
Cold reduced black sheets	11,223	9,390	612
Galvanized sheets	8,569	8,938	...
Steel castings	7,561	6,800	...
Miscellaneous hot rolled products	24,098	3,020	24,125
All other products	20,567	18,807	...
Total - Carbon Steel	313,907	218,151	84,530

Alloy Steel

Billets, etc., for forging	381	412	...
Other semi-finished shapes, not for re-rolling by makers	206	...	206
Structural shapes and piling .....	...	...	...
Plates	9	3	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	4,979	5,143	...
Pipes and tubes .....	...	...	...
Wire rods	29	16	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,337	1,320	...
Miscellaneous hot rolled products	377	205	...
All other products	176	218	...
Total - Alloy Steel	7,494	7,317	206

For footnote see page 5.

Footnote to Table 11 - Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Six Months Ended June, 1949

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	55,866	38,169	17,943
Other semi-finished shapes, not for re-rolling by makers	279,562	18,955	280,021
Structural shapes and piling	87,377	84,769	...
Plates	104,227	104,096	73
Rails	160,595	170,924	...
Tie plates and track material -			
Splice bars	13,756	13,309	...
Tie plates	26,141	25,728	...
Spikes	6,135	6,156	...
Concrete reinforcing bars	45,510	44,216	...
Hot rolled bars for cold finishing	5,977	...	5,719
Other hot rolled bars	282,104	240,941	46,032
Pipes and tubes	113,270	106,913	...
Wire rods	154,209	151,594	2,377
Hot rolled black sheets	125,257	89,821	36,689
Cold reduced black sheets	51,928	39,650	8,507
Galvanized sheets	50,507	51,359	11
Steel castings	48,179	45,948	...
Miscellaneous hot rolled products	166,087	23,204	139,711
All other products	113,229	110,121	...
Total - Carbon Steel	1,889,916	1,365,873	537,083
<u>Alloy Steel</u>			
Billets, etc., for forging	5,828	5,691	...
Other semi-finished shapes, not for re-rolling by makers	2,024	...	2,024
Structural shapes and piling .....	...	...	...
Plates	595	635	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	33,983	34,606	...
Pipes and tubes .....	...	...	...
Wire rods	393	369	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	8,707	8,259	...
Miscellaneous hot rolled products	1,468	1,425	...
All other products	1,588	1,619	...
Total - Alloy Steel	54,586	52,604	2,024

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, June, and Year to Date, 1949

	June		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	6,716	3,500	42,501	30,226
Agricultural, including farm machinery ...	8,589	40	59,082	232
Building construction	35,551	61	188,588	449
Containers industry	18,267	3	104,314	15
Machinery and tools	9,055	454	60,208	2,770
Merchant trade products	28,004	110	186,730	994
Mining, lumbering, etc.	8,198	546	41,745	3,411
National defence	32	1	275	10
Pressing, forming and stamping	11,095	51	67,075	475
Public works and utilities	2,003	33	8,931	229
Railway operating	27,796	172	188,313	1,263
Railway cars and locomotives	15,079	54	103,212	1,178
Shipbuilding	939	20	11,630	343
Miscellaneous and unclassified	1,312	107	6,535	716
Wholesalers and warehouses	30,078	999	173,826	2,406
Direct export (a) to British Empire	7,246	43	55,981	3,461
(b) to other countries	8,191	1,123	66,927	4,426
Total Shipped for Sale	218,151	7,317	1,365,873	52,604
Producers' interchange	84,530	206	537,083	2,024

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, June, 1949 and Year to Date

Commodity	Country of Origin	June			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Basic	United States	757	...	...	8,026	...	...
	Belgium	...	...	...	568	...	...
Foundry	United States	1,392	...	...	3,947	...	...
Malleable	United States	...	...	...	4,533	...	...
Silvery	United States	425	...	...	1,203	...	...
Charcoal	United States	57	...	...	117	...	...
Ingots	United States	84	4	...	30,975	23	...
Billets, blooms, slabs and sheet bars	United States	2	...	...	712	32	...
Tube rounds and tube billets	United States	...	...	...	3,754	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	5,803	788	2.3	33,401	2,629	39.9
	United Kingdom	170	...	...	524	...	22.9
	Belgium	209	...	...	6,655	...	...
	Sweden	...	...	...	2	...	...
Hot rolled -							
For agricultural implements ...	United States	1,601	366	...	11,820	2,669	...
Rounds over 4 ⁷ / ₈ ", squares over 4"	United States	162	18	.3	574	144	.8
	United Kingdom	...	...	...	18	...	...
	Belgium	4	...	...	4	...	...
Angles, channels, etc.	United States	502	...	3.7	5,029	4	16.3
	Belgium	177	...	...	2,367	...	...
	United Kingdom	46	...	...	604	...	...
Structurals (bar sizes) for							
agricultural implements	United States	940	162	...	6,508	1,077	...
Sash or casement sections	United States	288	...	...	1,552	...	...
	United Kingdom	23	...	...	103	...	...
Cold rolled, n.o.p.	United States	849	30	5.6	4,645	176	47.2
	United Kingdom	...	...	...	1	6	2.1
	Germany	...	...	...	...	4	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, June, 1949 and Year to Date (Continued)

Commodity	Country of Origin	June			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and Sections - (concluded)							
Cold rolled, for agricultural implements	United States	914	5	...	4,983	44	...
Tool steel	United States	12	36	...	74	279	...
	United Kingdom	75	28	...	425	205	...
	Belgium	...	...	...	2	...	...
Structurals	United States	28,285	...	...	101,128	42	3.5
	United Kingdom	107	...	...	617	...	...
	Belgium	1,717	...	...	10,203	...	...
Plates -							
78" and under in width	United States	3,836	8	11.5	22,445	276	160.0
	United Kingdom	1,406	...	...	9,169	...	3.7
	Belgium .	22	...	...	112	...	...
	Holland	107	...	...	107	...	...
Over 78" and under 100" in width .	United States	2,415	...	.8	8,108	30	59.5
	United Kingdom	1,991	...	...	8,950	1	1.8
100" in width and over	United States	1,358	...	...	4,207	1	7.6
	United Kingdom	214	...	...	280	...	19.0
Flanged, dished or curved	United States	219	...	3.2	708	...	3.9
Boiler, pulp-mill digesters	United States	852	...	.4	4,749	...	5.3
	United Kingdom	6	...	...	229	...	...
Chequered or surface pattern	United States	656	...	...	5,376	...	...
Painted	United States	...	...	...	3	...	...
For saws	United States	...	...	...	...	1	...
Sheets -							
Silicon .075 or more	United States	...	1,467	...	...	11,590	...
	United Kingdom	...	...	...	...	415	...
Galvanized	United States	1,299	...	...	6,909	...	...
	United Kingdom	...	...	...	742	...	...
Hot rolled -							
18 gauge and heavier	United States	10,189	10	16.0	51,406	37	142.0
	Belgium	...	...	...	851	...	...
	United Kingdom	...	...	...	153	...	47.8
Lighter than 18 gauge	United States	805	...	2.8	8,119	3	59.1
	Belgium	...	...	...	284	...	...
	United Kingdom	29	...	...	143	...	1.2
For hollow ware (vitreous enamel)	United States	136	...	...	1,393	...	...
	United Kingdom	...	...	...	45	...	...
Corrugated	United States	501	...	...	2,093	...	...
Coated with paint, tar, asphaltum, etc.	United States	43	...	...	784	...	...
For saws	United States	8	40	...	27	310	...
	United Kingdom	...	...	...	...	9	...
For cold rolled strip	United States	321	...	...	1,077	...	...
Shaped for agricultural implements	United States	188	...	...	1,531	43	...
For tubes	United States	391	...	...	1,185	...	...
Cold rolled -							
18 gauge and heavier	United States	1,356	...	66.9	7,771	...	490.5
	United Kingdom	24	...	...	535	...	3.7
Lighter than 18 gauge	United States	2,380	...	115.9	22,114	18	738.9
	United Kingdom	68	...	...	1,470	...	...
For hollow ware (vitreous enamel)	United States	1,617	...	...	6,157	...	...
	United Kingdom	...	...	...	1,266	...	...
Black plate - Tin mill	United States	372	...	...	5,717	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, June, 1949 and Year to Date (Continued)

Commodity	Country of Origin	J u n e			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Cold rolled -							
Coated with paint, tar, asphaltum, etc.	United States	8	...	...	514	...	...
For heating apparatus	United States	97	...	...	140	...	...
For saws	Sweden	...	2	...	...	3	...
For tubes	United States	1,184	...	...	4,178	...	...
For tubular products	United States	11	...	...	17	...	...
For butt hinges	United States	11	...	...	82	...	...
Black plate - For tinning	United States	611	...	...	13,372	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	...	...	...	4,308	...	...
Slabs for conversion to tin plate	United States	2,447	...	...	15,593	...	...
Tin plate - Primes	United States	939	...	...	7,319	...	...
	United Kingdom	9	...	...	91	...	...
Electrolytic (25#) ..	United States	2,081	...	...	11,992	...	...
(50#) ..	United States	54	...	...	204	...	...
Waste waste	United States	...	...	...	9	...	...
Terne plate - Long	United States	605	...	...	2,934	...	...
Short	United States	133	...	...	3,457	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,809	11	.8	8,455	98	15.4
	Belgium	114	...	...	850	...	...
	United Kingdom	67	...	...	205	...	...
Lighter than 18 gauge	United States	183	...	...	1,083	...	6.1
For cold rolling	United States	123	...	...	4,270	...	...
Painted	United States	389	...	...	1,932	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	16	...	...	572	...	...
For saws	United States	19	20	...	175	165	...
For motor vehicles	United States	1,236	...	...	6,333	80	...
For hoops	United States	364	...	...	1,149	...	...
For tubes	United States	...	...	...	311	...	...
For tubular products	United States	27	...	...	67	...	...
Silicon .075 or more	United States	...	264	...	...	2,222	...
Cold rolled -							
18 gauge and heavier	United States	458	38	32.5	2,796	39	144.7
	United Kingdom	...	...	...	58	4	...
Lighter than 18 gauge	United States	655	1	123.3	3,507	24	664.1
	Sweden	11	...	...	62	...	.1
	United Kingdom	...	...	...	13	...	...
Painted	United States	102	...	...	335	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	75	...	...	300	...	...
For saws	United States	...	7	...	5	40	...
	Sweden	...	1	...	...	55	...
For tubes	United States	255	...	...	1,125	...	...
For tubular products	United States	103	...	...	812	...	.3
For butt hinges	United States	152	...	...	798	...	...
	Sweden	1	...	...	1	...	...
Silicon .075 or more	United States	...	254	...	...	968	...
Galvanized strip	United States	684	...	...	4,620	...	...
Skelp -							
15 ³ / ₈ " and under in width	United States	15,279	...	...	49,556	...	...
	Belgium	6,523	...	...	27,353	...	...
Over 15 ³ / ₈ " in width	United States	845	...	...	3,845	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, June, 1949 and Year to Date (Continued)

Commodity	Country of Origin	J u n e			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and Tubes -							
Cast	United States	56	...	...	71	...	...
	United Kingdom	433	...	...	1,919	...	...
Bedstead	United States	15	...	...	56	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	982	93	...	5,116	227	..
	United Kingdom	153	...	...	371	...	...
Cold drawn	United States	143	21	...	981	31	4.7
	United Kingdom	18	...	...	349	...	...
Welded	United States	205	...	...	882	...	5.3
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	66	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	819	26	10.3	4,098	174	117.6
	United Kingdom	121	...	3.3	370	4	10.6
	Sweden	...	...	...	2	...	...
Hot finished	United States	566	2	...	3,164	43	...
Seamless, over 12" in diameter -							
Hot finished	United States	244	10	...	662	10	...
	United Kingdom	...	...	...	2,859	...	...
Welded, 4" and under in diameter .	United States	2,898	...	2.5	13,819	...	12.7
	United Kingdom	344	...	...	1,384	...	2.4
	Occupied Japan	22	...	...	43	...	...
Welded, over 4" in diameter	United States	530	...	...	2,897	...	.1
Tubing -							
Not over ½" diameter, welded and coated	United States	23	...	...	176	...	...
Casings	United States	4,678	...	...	27,461	...	...
	France	148	...	...	472	...	...
Fittings and couplings	United States	...	...	.9	1,169	...	7.9
Wire rope							
	United States	9	...	...	159	...	.7
	United Kingdom	26	...	...	57	...	...
Wire -							
For wire rope	United States	1,033	...	...	10,409	...	.3
	United Kingdom	1	...	...	104	...	...
For corset laces, steels, etc. ...	United States	9	...	...	77	...	...
	United Kingdom	...	...	...	5	...	...
For spring mattress, etc.	United States	74	...	...	2,254	...	...
For fencing, galvanized	United States	102	...	...	1,062	...	...
Wire cloth and netting	United States	315	...	.2	1,778	...	1.3
	United Kingdom	3	...	...	28	...	...
Wire, coated	United States	137	...	...	611	...	...
	United Kingdom	...	...	...	2	...	...
Wire - All other	United States	739	...	1.2	6,017	7	50.3
	United Kingdom	...	...	...	1	...	...
	Germany	...	...	...	1	...	...
Wire rods, not over ⅜" in diameter .	United States	1,230	...	...	4,135	...	...
Welding wire and welding rods	United States	89	32	7.3	1,612	119	64.2
Castings -							
For agricultural implements	United States	239	...	...	1,187	...	...
For ingot moulds	United States	3,901	...	...	15,294	...	...
Malleable	United States	46	...	...	281	...	...
Non-malleable	United States	98	...	...	931	...	...
Steel.....	United States	292	2	...	1,930	35	.6
For railway vehicles	United States	141	...	...	941	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, June, 1949 and Year to Date (Concluded)

Commodity	Country of Origin	J u n e			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings - (concluded)							
Rolls	United States	219	29	...	870	399	...
	United Kingdom	...	...	...	4	...	...
Piston rings (rough)	United States	11	...	...	142	...	...
Forgings							
	United States	92	37	...	706	422	.4
	United Kingdom	77	23	...	258	199	...
Axles - For railway vehicles	United States	18	...	...	69	...	...
Wheels -							
For railway rolling stock	United States	53	...	...	1,094	...	...
	United Kingdom	306	...	...	3,216	...	...
Tires -							
For railway rolling stock	United States	484	...	...	3,683	...	...
	United Kingdom	409	...	...	1,028	...	...
Rails -							
60 lbs. and under	United States	4	...	...	175	...	...
Over 60 lbs. and including 100 lbs.	United States	611	...	...	995	...	...
Over 100 lbs.	United States	3	...	...	169	...	...
Grooved for electric tramways	United States	27	...	...	266	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	276	...	...	629	...	...
Intersections, switches, frogs	United States	12	...	...	77	...	...
Total Imports	United States	123,393	3,781	408.4	659,764	24,531	2,871.2
	All other	15,181	54	3.3	86,967	905	115.3
TOTAL		138,574	3,835	411.7	746,731	25,436	2,986.5

Table 15 - Exports from Canada of Primary Iron and Steel, June, 1949 and Year to Date

	J u n e	Year to Date
(Tons of 2,000 pounds)		
Pig iron .....	...	1,121
Ingots, blooms and billets	750	30,378
Bars	1,065	8,893
Rods	35	265
Plates, sheets and strips	5,702	17,728
Rails	8,624	45,544
Structural shapes	150	4,774
Pipe and tubing - Wrought iron	20	369
Cast iron	59	523
Galvanized	2,135	12,484
Other	294
Castings, iron and steel	1,048	4,576
Forgings	46	408

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Government of Canada

MONTHLY REPORT
ON
PRIMARY IRON AND STEEL IN CANADA
JULY - 1949



DOMINION BUREAU OF STATISTICS
DEPARTMENT OF TRADE AND COMMERCE

MONTHLY REPORT
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Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section,
of the Industry and Merchandising Division,
Dominion Bureau of Statistics, Ottawa



DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
OTTAWA

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PRIMARY IRON AND STEEL IN CANADA

J U L Y - 1949

Pig Iron - Production of pig iron in Canada amounted to 175,381 net tons in July compared with 187,940 tons in the corresponding month of last year. The total for the current month included 162,016 tons of basic iron, 3,275 tons of foundry iron and 10,090 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in July amounted to 14,280 net tons compared with 19,264 tons in the previous month and with 12,939 tons in July of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferromanganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during July totalled 238,830 net tons compared with 244,872 tons in July of last year. Output in the month under review included 232,499 tons of ingots and 6,331 tons of castings.

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 182,658 net tons in July, 1949, compared with 225,468 tons in June. The July shipments included 7,173 tons of semi-finished shapes, 15,243 tons of structurals, 13,253 tons of plates, 19,553 tons of rails, 5,007 tons of tie plates and track material, 36,449 tons of hot-rolled bars, 16,651 tons of pipes and tubes, 17,872 tons of wire rods, 12,335 tons of black sheets, 7,174 tons of galvanized sheets, 6,260 tons of castings, and 17,746 tons of other rolled products. The amount of producers' interchange was 71,099 tons in July as against 84,736 tons in June.

Of the amounts shipped for sale during July, 35,467 tons went direct to railways and railway car shops; 10,928 tons went to pressing, forming and stamping plants; 21,862 tons to merchant trade products; 24,831 tons to building construction; 15,096 tons to the containers industry; 7,865 tons to agricultural equipment; 9,375 tons to the automotive industry; 7,691 tons to machinery plants; 1,020 tons to shipbuilding; 6,340 tons to mining, lumbering, etc., and 931 tons to miscellaneous industries, wholesalers and warehousing accounted for 25,963 tons, and exports for 13,432 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 71,099 tons in July, 1949.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During June and July, 1949

	June			July		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig Iron</u> -						
Basic	154,201	4,541	158,742	156,780	5,236	162,016
Foundry	500	17,499	17,999	...	3,275	3,275
Malleable .....	...	17,514	17,514	...	10,090	10,090
Total Pig Iron	154,701	39,554	194,255	156,780	18,601	175,381
<u>Ferro-alloys</u> .....	...	19,264	19,264	...	14,280	14,280

Table 2 - Cumulative Production for the Seven Months Ended July, 1948 and 1949

	1948			1949		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig Iron</u> -						
Basic	947,778	43,678	991,456	1,048,061	47,583	1,095,644
Foundry	10,308	123,219	133,527	2,429	114,891	117,320
Malleable .....	...	94,650	94,650	...	97,488	97,488
Total Pig Iron	958,086	261,547	1,219,633	1,050,490	259,962	1,310,452
<u>Ferro-alloys</u> .....	...	102,592	102,592	...	144,724	144,724

Table 3 - Iron Blast Furnace Charges During June and July, 1949, and Seven Months Ended July, 1949

	June, 1949	July, 1949	Seven Months Ended July, 1949
	(Net tons of 2,000 pounds)		
Iron ore	346,302	284,510	2,344,712
Mill cinder, scale, sinter, etc.	44,789	45,610	267,467
Limestone	74,077	67,760	517,762
Dolomite	10,502	10,270	66,823
Coke	178,831	157,467	1,235,063
Scrap iron and steel	8,410	9,997	64,410

Table 4 - Iron Blast Furnaces in Canada

Name of Company	Location of Furnaces	Number of Stacks	Total Annual Capacity (Net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	221,760
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,743,760

Table 5 - Description of Iron Blast Furnaces at End of July, 1949

Condition of Furnaces	Number of furnaces	Total Annual Capacity	
		Net tons	Per cent
In blast	11	2,194,950	80.0
Banked .....	...	...	...
Blown out	3	548,810	20.0
Total	14	2,743,760	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During June and July, 1949

	June			July		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth—Basic	220,324	7,690	228,014	200,585	8,062	208,647
Electric	32,242	1,220	33,462	23,313	539	23,852
Total Steel Ingots	252,566	8,910	261,476	223,898	8,601	232,499
Alloy steel ingots included in above	10,560	...	10,560	10,003	...	10,003
<u>Steel Castings</u>						
Open hearth—Basic	150	2,702	2,852	125	1,852	1,977
Converter	2	18	20	2	6	8
Electric	1,346	4,761	6,107	1,065	3,281	4,346
Total Steel Castings	1,498	7,481	8,979	1,192	5,139	6,331
Alloy steel castings included in above	534	744	1,278	518	666	1,184
TOTAL INGOTS AND CASTINGS ...	254,064	16,391	270,455	225,090	13,740	238,830

Table 7 - Cumulative Production for the Seven Months Ended July, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth--Basic	1,485,305	23,865	1,509,170	1,539,224	85,687	1,624,911
Electric	264,736	1,211	265,947	224,283	1,789	226,072
Total Steel Ingots ...	1,750,041	25,076	1,775,117	1,763,507	87,476	1,850,983
Alloy steel ingots included in above	89,334	...	89,334	83,456	...	83,456
<u>Steel Castings</u>						
Open hearth--Basic	1,212	18,050	19,252	1,339	17,127	18,466
Converter	21	282	303	11	57	68
Electric	7,159	38,627	45,786	8,603	36,751	45,354
Total Steel Castings ..	8,392	56,959	65,351	9,953	53,935	63,888
Alloy steel castings included in above	3,114	6,797	9,911	3,661	6,029	9,690
TOTAL INGOTS AND CASTINGS	1,758,433	82,035	1,840,468	1,773,460	141,411	1,914,871

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During June and July, 1949 and Seven Months Ended July, 1949

	June, 1949	July, 1949	Seven Months Ended July, 1949
(Net tons of 2,000 pounds)			
Pig iron	150,727	142,115	1,050,366
Scrap--Own make	74,852	68,415	546,275
Purchased	74,100	48,758	523,570

Table 9 - Steel Furnace Capacity at end of July, 1949

	Annual Capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	2,985,000
Electric	551,000
Total Ingots	3,536,000
Steel castings	302,000
Total Ingots and Castings	3,838,000

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949

Month	Pig Iron	Ferro- alloys	S t e e l		Total Steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
1 9 4 8					
January	160,042	17,125	247,768	8,958	256,726
February	151,123	11,823	230,183	9,463	239,646
March	172,675	14,293	275,349	10,677	286,026
April	170,785	14,474	254,315	9,951	264,266
May	193,305	18,436	279,688	9,879	289,567
June	183,763	13,502	249,710	9,655	259,365
July	187,940	12,939	238,104	6,768	244,872
August	191,383	12,700	254,362	8,692	263,054
September	182,465	12,318	248,622	9,243	257,865
October	186,424	19,489	272,127	9,739	281,866
November	166,771	17,594	267,671	10,307	277,978
December	174,233	23,708	271,128	9,297	280,425
TOTAL	2,120,909	250,659	3,089,027	112,629	3,201,656

Primary Iron and Steel

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Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949 (Concluded)

Month	Pig Iron	Ferro- alloys	S t e e l		Total Steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
1 9 4 9					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
Total Seven Months	1,310,452	144,724	1,850,983	63,888	1,914,871

Table 11 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, July, 1949

	Production (Including producers' interchange)	Shipments	
		For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	4,252	1,855	1,834
Other semi-finished shapes, not for re-rolling by makers	47,805	5,172	38,188
Structural shapes and piling	15,881	15,243	...
Plates	12,584	13,226	...
Rails	22,717	19,553	...
Tie plates and track material--Splice bars ...	518	895	...
Tie plates	3,120	3,230	...
Spikes	702	882	...
Concrete reinforcing bars	8,351	6,985	...
Hot rolled bars for cold finishing	1,270	...	1,272
Other hot rolled bars	27,710	25,954	3,715
Pipes and tubes	15,027	16,651	...
Wire rods	17,052	17,821	158
Hot rolled black sheets	15,774	12,335	5,568
Cold reduced black sheets	9,808	7,942	1,887
Galvanized sheets	8,052	7,174	48
Steel castings	5,195	5,089	...
Miscellaneous hot rolled products	22,199	2,807	17,774
All other products	15,881	14,700	...
Total - Carbon Steel	253,898	177,514	70,444
<u>Alloy Steel</u>			
Billets, etc., for forging	156	146	...
Other semi-finished shapes, not for re-rolling by makers	596	...	596
Structural shapes and piling .....	...	...	...
Plates	26	27	...
Rails .....	...	...	...
Tie plates and track material--Splice bars ...	...	...	...
Tie plates ....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	3,702	3,510	59
Pipes and tubes .....	...	...	...
Wire rods	74	51	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,209	1,171	...
Miscellaneous hot rolled products	102	130	...
All other products	119	109	...
Total - Alloy Steel	5,984	5,144	655

For footnote see Page 5.

Footnote to Table 11 -

Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Seven Months Ended July, 1949

	Production (Including producers' interchange)	Shipments For sale Producers' interchange	
		(Tons of 2,000 pounds)	
<u>Carbon Steel</u>			
Billets, etc., for forging	60,118	40,024	19,777
Other semi-finished shapes, not for re-rolling by makers	327,367	24,127	318,209
Structural shapes and piling	103,258	100,012	...
Plates	116,811	117,322	73
Rails	183,312	190,477	...
Tie plates and track material -			
Splice bars	14,274	14,204	...
Tie plates	29,261	28,958	...
Spikes	6,837	7,038	...
Concrete reinforcing bars	53,861	51,201	...
Hot rolled bars for cold finishing	7,247	...	6,991
Other hot rolled bars	309,814	266,895	49,747
Pipes and tubes	128,297	123,564	...
Wire rods	171,261	169,415	2,535
Hot rolled black sheets	141,031	102,156	42,257
Cold reduced black sheets	61,736	47,592	10,394
Galvanized sheets	58,559	58,533	59
Steel castings	53,374	51,037	...
Miscellaneous hot rolled products	188,286	26,011	157,485
All other products	129,110	124,821	...
Total - Carbon Steel	2,143,814	1,543,387	607,527
<u>Alloy Steel</u>			
Billets, etc., for forging	5,984	5,837	...
Other semi-finished shapes, not for re-rolling by makers	2,620	...	2,620
Structural shapes and piling .....	...	...	...
Plates	621	662	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	37,685	38,116	59
Pipes and tubes .....	...	...	...
Wire rods	467	420	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	9,916	9,430	...
Miscellaneous hot rolled products	1,570	1,555	...
All other products	1,707	1,728	...
Total - Alloy Steel	60,570	57,748	2,679

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, July, and Year to Date, 1949

	July		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	6,283	3,092	48,784	33,318
Agricultural, including farm machinery	7,843	22	66,925	254
Building construction	24,792	39	213,380	488
Containers industry	15,094	2	119,408	17
Machinery and tools	7,251	440	67,459	3,210
Merchant trade products	21,732	130	208,462	1,124
Mining, lumbering, etc.	5,943	397	47,688	3,808
National defence	86	...	361	10
Pressing, forming and stamping	10,910	18	77,985	493
Public works and utilities	1,705	66	10,636	295
Railway operating	22,950	115	211,263	1,378
Railway cars and locomotives	12,370	32	115,582	1,210
Shipbuilding	986	34	12,616	377
Miscellaneous and unclassified	858	73	7,393	789
Wholesalers and warehouses	25,878	85	199,704	2,491
Direct export (a) to British Empire ..	6,406	...	62,387	3,461
(b) to other countries..	6,427	599	73,354	5,025
Total Shipped for Sale	177,514	5,144	1,543,387	57,748
Producers' interchange	70,444	655	607,527	2,679

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, July, 1949 and Year to Date

Commodity	Country of Origin	July			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Basic	United States	...	...	...	8,026	...	...
	Belgium	...	...	...	568	...	...
Foundry	United States	57	...	...	4,004	...	...
Malleable	United States	28	...	...	4,561	...	...
Silvery	United States	178	...	...	1,381	...	...
Charcoal	United States	...	...	...	117	...	...
Ingots	United States	68	...	...	31,043	23	...
Billets, blooms, slabs and sheet bars..	United States	459	1	...	1,171	33	...
	United Kingdom	...	26	...	...	26	...
Tube rounds and tube billets	United States	...	...	...	3,754	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	3,592	286	2.2	36,993	2,915	42.1
	United Kingdom	154	...	9.5	678	...	32.4
	Belgium	17	...	...	6,672	...	...
	Sweden	...	...	...	2	...	...
Hot rolled -							
For agricultural implements	United States	988	145	...	12,808	2,814	...
Rounds over 4 7/8", squares over 4"	United States	252	23	...	826	167	.8
	United Kingdom	14	...	...	32	...	...
	Belgium	...	...	...	4	...	...
Angles, channels, etc.	United States	803	...	2.2	5,832	4	18.5
	Belgium	29	...	...	2,396	...	...
	United Kingdom	17	...	...	621	...	...
Structurals (bar sizes) for agri- cultural implements	United States	588	19	...	7,096	1,096	...
	United States	129	...	...	1,681	...	...
Sash or casement sections	United Kingdom	8	...	...	111	...	...
	United States	620	31	2.6	5,265	207	49.8
Cold rolled, n.o.p.	United Kingdom	1	...	3.2	2	6	5.3
	Germany	...	...	...	...	4	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, July, 1949 and Year to Date (Continued)

Commodity	Country of Origin	July			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and Sections (Concluded) -							
Cold rolled, for agricultural implements	United States	456	...	...	5,439	44	...
Tool steel	United States	9	33	...	83	312	...
	United Kingdom	37	38	...	462	243	...
	Belgium	...	...	...	2	...	...
Structurals	United States	11,381	...	2.8	112,509	42	6.3
	United Kingdom	57	...	...	674	...	...
	Belgium	83	...	...	10,286	...	...
Plates -							
78" and under in width	United States	3,636	6	22.6	26,081	282	182.6
	United Kingdom	4,057	...	13.8	13,226	...	17.5
	Belgium	...	...	...	112	...	...
	Holland	...	...	...	107	...	...
Over 78" and under 100" in width	United States	2,029	...	...	10,137	30	59.5
	United Kingdom	1,712	...	...	10,662	1	1.8
100" in width and over	United States	1,022	...	...	5,229	1	7.6
	United Kingdom	...	...	...	280	...	19.0
Flanged, dished or curved	United States	82	...	...	790	...	3.9
Boiler, pulp-mill digesters	United States	735	...	1.5	5,484	...	6.8
	United Kingdom	59	...	...	288	...	...
Chequered or surface pattern ...	United States	453	...	...	5,829	...	...
Painted	United States	11	...	...	14	...	...
For saws	United States	...	...	...	...	1	...
Sheets -							
Silicon .075 or more	United States	...	1,149	...	...	12,739	...
	United Kingdom	...	...	...	...	415	...
Galvanized	United States	1,237	...	...	8,146	...	...
	United Kingdom	16	...	...	758	...	...
Hot rolled -							
18 gauge and heavier	United States	7,269	8	14.1	58,675	45	156.1
	Belgium	25	...	...	876	...	...
	United Kingdom	...	...	6.6	153	...	54.4
Lighter than 18 gauge	United States	931	...	.8	9,050	3	59.9
	Belgium	...	...	...	284	...	...
	United Kingdom	...	...	...	143	...	1.2
For hollow ware (vitreous enamel)	United States	61	...	...	1,454	...	...
	United Kingdom	...	...	...	45	...	...
Corrugated	United States	409	...	...	2,502	...	...
Coated with paint, tar, asphaltum, etc.	United States	115	...	...	899	...	...
For saws	United States	6	53	...	33	363	...
	United Kingdom	...	3	...	...	12	...
For cold rolled strip	United States	113	...	...	1,190	...	...
Shaped for agricultural implements	United States	133	...	...	1,664	43	...
For tubes	United States	...	...	...	1,185	...	...
For galvanizing	United States	102	...	...	102	...	...
Cold rolled -							
18 gauge and heavier	United States	1,019	...	55.7	8,790	...	546.2
	United Kingdom	27	...	...	562	...	3.7
Lighter than 18 gauge	United States	3,022	...	72.5	25,136	18	811.4
	United Kingdom	140	...	...	1,610	...	...
For hollow ware (vitreous enamel)	United States	1,828	...	...	7,985	...	...
	United Kingdom	133	...	...	1,399	...	...
Black plate - Tin mill	United States	504	...	...	6,221	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, July, 1949 and Year to Date (Continued)

Commodity	Country of Origin	July			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets (Concluded) -							
Cold rolled -							
Coated with paint, tar, asphaltum, etc.	United States	5	...	...	519	...	...
For heating apparatus	United States	31	...	...	171	...	...
For saws	Sweden	...	1	...	...	4	...
For shoe and corset laces	United States	1	...	...	1	...	...
For tubes	United States	717	...	...	4,895	...	...
For tubular products	United States	8	...	...	25	...	...
For butt hinges	United States	4	...	...	86	...	...
Black plate--For tinning	United States	202	...	...	13,574	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	...	...	...	4,308	...	...
Slabs for conversion to tin plate	United States	4,500	...	...	20,093	...	...
Tin plate - Primes	United States	1,538	...	...	8,857	...	...
	United Kingdom	27	...	...	118	...	...
Electrolytic (25#) ..	United States	662	...	...	12,654	...	...
(50#) ..	United States	87	...	...	291	...	...
Waste waste	United States	...	...	...	9	...	...
Terne plate--Long	United States	425	...	...	3,359	...	...
Short	United States	67	...	...	3,524	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,210	97	1.0	9,665	195	16.4
	Belgium	86	...	...	936	...	...
	United Kingdom	105	...	...	310	...	...
Lighter than 18 gauge	United States	115	...	...	1,198	...	6.1
For cold rolling	United States	...	...	...	4,270	...	...
Painted	United States	131	...	...	2,063	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	21	...	...	593	...	...
For saws	United States	29	8	...	204	173	...
For motor vehicles	United States	1,190	...	...	7,523	80	...
For hoops	United States	132	...	...	1,281	...	...
For tubes	United States	...	...	...	311	...	...
For tubular products	United States	...	...	...	67	...	...
Silicon .075 or more	United States	...	231	...	...	2,453	...
Cold rolled -							
18 gauge and heavier	United States	364	3	20.4	3,160	42	165.1
	United Kingdom	5	...	...	63	4	...
Lighter than 18 gauge	United States	648	1	42.8	4,155	25	706.9
	Sweden	40	...	...	102	...	.1
	United Kingdom	66	...	...	79	...	...
Painted	United States	62	...	...	397	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	35	...	...	335	...	...
For saws	United States	...	10	...	5	50	...
	Sweden	...	5	...	...	60	...
For tubes	United States	259	...	...	1,384	...	...
For tubular products	United States	67	...	...	879	...	.3
For butt hinges	United States	142	...	...	940	...	...
	Sweden	...	...	...	1	...	...
Silicon .075 or more	United States	...	26	...	...	994	...
Galvanized strip	United States	276	...	...	4,896	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, July, 1949 and Year to Date (Continued)

Commodity	Country of Origin	July			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Skelp -							
15 3/8" and under in width	United States	11,004	...	...	60,560	...	...
	Belgium	50	...	...	27,403	...	...
Over 15 3/8" in width	United States	83	...	...	3,928	...	...
Pipes and Tubes -							
Cast	United States	11	...	...	82	...	...
	United Kingdom	78	...	...	1,997	...	...
Bedstead	United States	...	...	...	56	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	1,203	54	...	6,319	281	...
	United Kingdom	153	...	...	524	...	...
Cold drawn	United States	178	12	.9	1,159	43	5.6
	United Kingdom	17	...	...	366	...	...
Welded	United States	385	...	...	1,267	...	5.3
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	66	...	...
Cold drawn	United States	...	...	3.7	...	...	3.7
Seamless, 12" and under in diameter -							
Cold drawn	United States	658	95	12.3	4,756	269	129.9
	United Kingdom	41	...	.7	411	4	11.3
	Sweden	...	...	...	2	...	...
Hot finished	United States	519	53	....	3,683	96	...
Seamless, over 12" in diameter -							
Hot finished	United States	303	...	...	965	10	...
	United Kingdom	...	...	...	2,859	...	...
Welded, 4" and under in diameter	United States	2,373	...	2.7	16,192	...	15.4
	United Kingdom	402	...	...	1,786	...	2.4
	Occupied Japan	...	...	...	43	...	...
	Belgium	23	...	...	23	...	...
Welded, over 4" in diameter	United States	193	...	...	3,090	...	.1
Tubing -							
Not over 1/2" diameter, welded and coated	United States	10	...	...	186	...	...
Casings	United States	4,795	...	...	32,256	...	...
	France	...	...	...	472	...	...
Fittings and couplings	United States	237	...	1.0	1,406	...	8.9
Wire rope							
	United States	94	...	.1	253	...	.8
	United Kingdom	34	...	...	91	...	...
Wire -							
For wire rope	United States	660	...	.2	11,069	...	.5
	United Kingdom	51	...	...	155	...	...
For corset laces, steels, etc. .	United States	2	...	...	79	...	...
	United Kingdom	...	...	...	5	...	...
For spring mattress, etc.	United States	42	...	...	2,296	...	...
For fencing, galvanized	United States	...	...	...	1,062	...	...
Wire cloth and netting	United States	97	...	.4	1,875	...	1.7
	United Kingdom	...	...	...	28	...	...
Wire, coated	United States	138	...	...	749	...	...
	United Kingdom	...	...	...	2	...	...
Wire--All other	United States	518	...	2.5	6,535	7	52.8
	United Kingdom	...	...	...	1	...	...
	Germany	1	...	...	2	...	...
	France	1	...	...	1	...	...
Wire rods, not over 3/8" in diam- eter	United States	713	...	...	4,848	...	...
Welding wire and welding rods	United States	44	9	3.8	1,656	128	68.0

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, July, 1949 and Year to Date (Concluded)

Table 11.—Imports into Canada of Primary Forms of Iron and Steel, July, 1935, and Year to Date							
Commodity	Country of Origin	July			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings —							
For agricultural implements	United States	214	...	...	1,401	...	...
For ingot moulds	United States	1,848	...	...	17,142	...	...
Malleable	United States	26	...	...	307	...	...
Non-malleable	United States	110	...	...	1,041	...	...
Steel	United States	107	2	...	2,037	37	.6
For railway vehicles	United States	159	...	...	1,100	...	...
Rolls	United States	272	63	...	1,142	462	...
	United Kingdom	...	...	...	4	...	...
Piston rings (rough)	United States	6	...	...	148	...	...
Forgings							
	United States	39	28	...	745	450	.4
	United Kingdom	65	32	...	323	231	...
Axles — For railway vehicles	United States	137	...	...	206	...	...
Wheels —							
For railway rolling stock	United States	40	...	...	1,134	...	...
	United Kingdom	1,315	...	...	4,531	...	...
Tires —							
For railway rolling stock	United States	421	...	...	4,104	...	...
	United Kingdom	759	...	...	1,787	...	...
Rails —							
60 lb. and under	United States	2	...	...	177	...	...
Over 60 lb. and including 100 lb.	United States	70	...	...	1,065	...	...
Over 100 lb.	United States	59	...	...	228	...	...
Grooved for electric tramways ...	United States	...	...	...	266	...	...
Track material —							
Angles, bars, tie plates, rail joints	United States	67	...	...	696	...	...
Intersections, switches, frogs ..	United States	7	...	...	84	...	...
Total Imports	United States	85,097	2,446	268.8	744,293	26,977	3140.0
	All other	9,905	105	33.8	97,440	1,010	149.1
TOTAL		95,002	2,551	302.6	841,733	27,987	3289.1

Table 15 - Exports from Canada of Primary Iron and Steel, July, 1949 and Year to Date

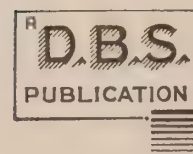
	July	Year to Date
(Tons of 2,000 pounds)		
Pig iron .....	...	1,121
Ingots, blooms and billets .....	...	30,378
Bars	1,774	10,667
Rods	2	267
Plates, sheets and strips	346	18,074
Rails	7,325	52,869
Structural shapes	3,988	8,762
Pipe and tubing - Wrought iron	40	7,429
Cast iron	80	10,536
Galvanized	23,460	273,143
Other	926	6,800
Castings, iron and steel	19,834	111,349
Forgings	1,401	9,558

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Government of Canada

MONTHLY REPORT
ON
PRIMARY IRON AND STEEL IN CANADA
AUGUST - 1949



DOMINION BUREAU OF STATISTICS
DEPARTMENT OF TRADE AND COMMERCE

MONTHLY REPORT
ON
PRIMARY IRON AND STEEL IN CANADA
AUGUST - 1949

Published by Authority of the Rt. Hon. C. D. Howe
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section,
of the Industry and Merchandising Division,
Dominion Bureau of Statistics, Ottawa

PRIMARY IRON AND STEEL IN CANADA

A U G U S T - 1949

Pig Iron - Production of pig iron in Canada amounted to 180,115 net tons in August compared with 191,383 tons in the corresponding month of last year. The total for the current month included 156,844 tons of basic iron, 11,914 tons of foundry iron and 11,357 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in August amounted to 12,562 net tons compared with 14,280 tons in the previous month and with 12,700 tons in August of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferromanganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during August totalled 248,749 net tons compared with 263,054 tons in August of last year. Output in the month under review included 241,442 tons of ingots and 7,307 tons of castings.

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 203,345 net tons in August 1949, compared with 182,658 tons in July. The August shipments included 5,107 tons of semi-finished shapes, 13,201 tons of structurals, 13,527 tons of plates, 22,407 tons of rails, 3,105 tons of tie plates and track material, 38,383 tons of hot rolled bars, 14,851 tons of pipes and tubes, 24,466 tons of wire rods, 20,869 tons of black sheets, 7,342 tons of galvanized sheets, 7,358 tons of castings, and 23,648 tons of other rolled products. The amount of producers' interchange was 68,824 tons in August as against 71,099 tons in July.

Of the amounts shipped for sale during August, 42,394 tons went direct to railways and railway car shops; 11,140 tons went to pressing, forming and stamping plants; 27,865 tons to merchant trade products; 26,845 tons to building construction; 18,867 tons to the containers industry; 5,620 tons to agricultural equipment; 13,260 tons to the automotive industry; 10,399 tons to machinery plants; 1,297 tons to shipbuilding; 5,723 tons to mining, lumbering, etc., and 1,407 tons to miscellaneous industries; wholesalers and warehousing accounted for 29,354 tons, and exports for 6,677 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 68,824 tons in August, 1949.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During July and August, 1949

	<u>J u l y</u>			<u>A u g u s t</u>		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	156,780	5,236	162,016	148,429	8,415	156,844
Foundry .....	...	3,275	3,275	311	11,603	11,914
Malleable .....	...	10,090	10,090	...	11,357	11,357
Total Pig Iron	156,780	18,601	175,381	148,740	31,375	180,115
<u>Ferro-alloys</u> .....	...	14,280	14,280	...	12,562	12,562

Table 2 - Cumulative Production for the Eight Months Ended August, 1948 and 1949

	<u>1 9 4 8</u>			<u>1 9 4 9</u>		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	1,094,724	54,636	1,149,360	1,196,490	55,998	1,252,488
Foundry	11,787	142,899	154,686	2,740	126,494	129,234
Malleable .....	...	106,970	106,970	...	108,845	108,845
Total Pig Iron	1,106,511	304,505	1,411,016	1,199,230	291,337	1,490,567
<u>Ferro-alloys</u> .....	...	115,292	115,292	...	157,286	157,286

Table 3 - Iron Blast Furnace Charges During July and August, 1949, and Eight Months Ended August, 1949

	J u l y 1949	A u g u s t 1949	Eight Months Ended August, 1949
	(Net tons of 2,000 pounds)		
Iron ore	284,510	306,359	2,651,071
Mill cinder, scale, sinter, etc. ..	45,610	45,913	313,380
Limestone	67,760	67,207	584,969
Dolomite	10,270	9,430	76,253
Coke	157,467	164,675	1,399,738
Scrap iron and steel	9,997	9,729	74,139

Table 4 - Iron Blast Furnaces in Canada

Name of Company	Location of Furnaces	Number of stacks	Total Annual Capacity (Net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, N. S.	4	730,000
Canadian Furnace Limited	Port Colborne, Ont.	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ont.	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	5	1,035,000
Total		14	2,745,000(*)

(*) Revised.

Table 5 - Description of Iron Blast Furnaces at End of August, 1949

Condition of Furnaces	Number of furnaces	Total Annual Capacity	
		Net tons	Per cent
In blast	11	2,434,950	88.7
Banked	1	120,000	4.4
Blown out	2	190,050	6.9
Total	14	2,745,000(*)	100.0

(*) Revised.

(b) Steel Ingots and Steel Castings

Table 6 - Production During July and August, 1949

	J u l y			A u g u s t		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - Basic	200,585	8,062	208,647	207,112	4,563	211,675
Electric	23,313	539	23,852	28,311	1,456	29,767
Total Steel Ingots ...	223,898	8,601	232,499	235,423	6,019	241,442
Alloy steel ingots included in above	10,003	...	10,003	12,200	...	12,200
<u>Steel Castings</u>						
Open hearth - Basic	125	1,852	1,977	131	2,554	2,685
Converter	2	6	8	4	...	4
Electric	1,065	3,281	4,346	844	3,774	4,618
Total Steel Castings..	1,192	5,139	6,331	979	6,328	7,307
Alloy steel castings included in above	518	666	1,184	331	989	1,320
TOTAL INGOTS AND CASTINGS	225,090	13,740	238,830	236,402	12,347	248,749

Table 7 - Cumulative Production for the Eight Months Ended August, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - Basic	1,689,554	35,788	1,725,342	1,746,336	90,250	1,836,586
Electric	302,926	1,211	304,137	252,594	3,245	255,839
Total Steel Ingots ...	1,992,480	36,999	2,029,479	1,998,930	93,495	2,092,425
Alloy steel ingots included in above	101,788	...	101,788	95,656	...	95,656
<u>Steel Castings</u>						
Open hearth - Basic	1,420	20,871	22,291	1,470	19,681	21,151
Converter	24	313	337	15	57	72
Electric	8,343	43,072	51,415	9,447	40,525	49,972
Total Steel Castings..	9,787	64,256	74,043	10,932	60,263	71,195
Alloy steel castings included in above	3,752	7,500	11,252	3,992	7,018	11,010
TOTAL INGOTS AND CASTINGS	2,002,267	101,255	2,103,522	2,009,862	153,758	2,163,620

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During July and August, 1949 and Eight Months Ended August, 1949

	J u l y 1949	A u g u s t 1949	Eight Months Ended August, 1949
	(Net tons of 2,000 pounds)		
Pig iron	142,115	139,025	1,189,391
Scrap - Own make	74,100	77,840	624,115
Purchased	48,758	52,322	575,892

Table 9 - Steel Furnace Capacity at End of August, 1949

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	574,000
Total Ingots	3,598,000
Steel castings	300,000
Total Ingots and Castings	3,898,000(*)

(*) Revised.

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1947					
Month	Pig Iron	Ferro-alloys	S t e e l		Total Steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 4 8</u>					
January	160,042	17,125	247,768	8,958	256,726
February	151,123	11,823	230,183	9,463	239,646
March	172,675	14,293	275,349	10,677	286,026
April	170,785	14,474	254,315	9,951	264,266
May	193,305	18,436	279,688	9,879	289,567
June	183,763	13,502	249,710	9,655	259,365
July	187,940	12,939	238,104	6,768	244,872
August	191,383	12,700	254,362	8,692	263,054
September	182,465	12,318	248,622	9,243	257,865
October	186,424	19,489	272,127	9,739	281,866
November	166,771	17,594	267,671	10,307	277,978
December	174,233	23,708	271,128	9,297	280,425
Total	2,120,909	250,659	3,089,027	112,629	3,201,656

<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
Total - Eight Months	1,490,567	157,286	2,092,425	71,195	2,163,620

Table 11 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, August, 1949

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	4,834	2,631	2,372
Other semi-finished shapes, not for re-rolling by makers	33,414	5,107	22,430
Structural shapes and piling	13,759	13,201	...
Plates	13,668	13,474	...
Rails	24,191	22,407	...
Tie plates and track material - Splice bars ..	...	70	...
Tie plates ...	1,815	2,197	...
Spikes	922	838	...
Concrete reinforcing bars	6,274	6,246	...
Hot rolled bars for cold finishing	1,043	...	971
Other hot rolled bars	36,379	31,166	3,463
Pipes and tubes	14,705	14,851	...
Wire rods	24,040	24,376	158
Hot rolled black sheets	19,879	13,586	5,205
Cold reduced black sheets	7,725	7,283	1,869
Galvanized sheets	7,799	7,342	7
Steel castings	5,806	6,070	...
Miscellaneous hot rolled products	33,343	3,667	31,742
All other products	19,736	19,640	1
Total - Carbon Steel	269,332	194,152	68,218

Table 11 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, August, 1949
(Concluded)

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Alloy Steel</u>			
Billets, etc., for forging	441	204	...
Other semi-finished shapes, not for re-rolling by makers	582	...	582
Structural shapes and piling .....	...	...	...
Plates	105	53	...
Rails .....	...	...	...
Tie plates and track material - Splice bars ..	...	...	...
Tie plates ...	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	215	...
Other hot rolled bars	7,240	7,002	24
Pipes and tubes .....	...	...	...
Wire rods	58	90	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,355	1,288	...
Miscellaneous hot rolled products	144	191	...
All other products	146	150	...
Total - Alloy Steel	10,071	9,193	606

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Eight Months
Ended August, 1949

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	64,952	42,655	22,149
Other semi-finished shapes, not for re-rolling by makers	360,781	29,234	340,639
Structural shapes and piling	117,017	113,213	...
Plates	130,479	130,796	73
Rails	207,503	212,884	...
Tie plates and track material -			
Splice bars	14,274	14,274	...
Tie plates	31,076	31,155	...
Spikes	7,759	7,876	...
Concrete reinforcing bars	60,135	57,447	...
Hot rolled bars for cold finishing	8,290	...	7,962
Other hot rolled bars	346,193	298,061	53,210
Pipes and tubes	143,002	138,415	...
Wire rods	195,301	193,791	2,693
Hot rolled black sheets	160,910	115,742	47,462
Cold reduced black sheets	69,461	54,875	12,263
Galvanized sheets	66,358	65,875	66
Steel castings	59,180	57,107	...
Miscellaneous hot rolled products	221,629	29,678	189,227
All other products	148,846	144,461	1
Total - Carbon Steel	2,413,146	1,737,539	675,745

Table 12 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Eight Months Ended August, 1949 (Concluded)

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Alloy Steel</u>			
Billets, etc., for forging.....	6,425	6,041	...
Other semi-finished shapes, not for re-rolling by makers	3,202	...	3,202
Structural shapes and piling .....	...	...	...
Plates	726	715	...
Rails .....	...	...	...
Tie plates and track material -			
Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	215	...
Other hot rolled bars	44,925	45,118	83
Pipes and tubes .....	...	...	...
Wire rods	525	510	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	11,271	10,718	...
Miscellaneous hot rolled products	1,714	1,746	...
All other products	1,853	1,878	...
Total - Alloy Steel	70,641	66,941	3,285

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, August, and Year to Date, 1949

	A u g u s t		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	6,961	6,299	55,745	39,617
Agricultural, including farm machinery	5,614	6	72,539	260
Building construction	26,808	37	240,188	525
Containers industry	18,864	3	138,272	20
Machinery and tools	9,930	469	77,389	3,679
Merchant trade products	27,683	182	236,145	1,306
Mining, lumbering, etc.	5,084	639	52,772	4,447
National defence	327	2	688	12
Pressing, forming and stamping	11,110	30	89,095	523
Public works and utilities	2,129	39	12,765	334
Railway operating	29,569	198	240,832	1,576
Railway cars and locomotives	12,330	297	127,912	1,507
Shipbuilding	1,293	4	13,909	381
Miscellaneous and unclassified	1,292	115	8,685	904
Wholesalers and warehouses	29,123	231	228,827	2,722
Direct export (a) to British Empire ..	114	187	62,501	3,648
(b) to other countries ..	5,921	455	79,275	5,480
Total Shipped for Sale	194,152	9,193	1,737,539	66,941
Producers' interchange	68,218	606	675,745	3,285

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, August, 1949 and Year to Date

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	...	...	...	8,026	...	...
	Belgium	...	...	...	568	...	...
Foundry	United States	64	...	...	4,068	...	...
Malleable	United States	28	...	...	4,589	...	...
Silvery	United States	...	...	...	1,381	...	...
Charcoal	United States	...	...	...	117	...	...
Ingots	United States	98	...	...	31,141	23	...
Billets, blooms, slabs and sheet bars	United States	47	...	...	1,218	33	...
	United Kingdom	...	...	...	...	26	...
Tube rounds and tube billets	United States	...	...	...	3,754	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	3,443	95	6.5	40,436	3,010	48.6
	United Kingdom	34	...	8.9	712	...	41.3
	Belgium	14	...	...	6,686	...	...
	Sweden	...	...	...	2	...	...
Hot rolled -							
For agricultural implements	United States	846	29	...	13,654	2,843	...
Rounds over 4 7/8", squares over 4".	United States	139	13	...	965	180	.8
	United Kingdom	...	...	...	32	...	...
	Belgium	...	...	...	4	...	...
Angles, channels, etc.	United States	596	...	1.6	6,428	4	20.1
	Belgium	18	...	...	2,414	...	...
	United Kingdom	...	...	...	621	...	...
Structurals (bar sizes) for agri- cultural implements	United States	677	...	...	7,773	1,096	...
Sash or casement sections	United States	...	...	...	1,681	...	...
	United Kingdom	...	...	...	111	...	...
Cold rolled, n.o.p.	United States	472	4	12.5	5,737	211	62.3
	United Kingdom	6	...	...	8	6	5.3
	Germany	...	...	...	...	4	...
Cold rolled, for agricultural implements	United States	317	10	...	5,756	54	...
Tool steel	United States	5	31	...	88	343	...
	United Kingdom	111	25	...	573	268	...
	Belgium	...	...	...	2	...	...
Structurals	United States	13,503	...	...	126,012	42	6.3
	United Kingdom	29	...	...	703	...	...
	Belgium	435	...	...	10,721	...	...
Plates -							
78" and under in width	United States	4,688	4	20.5	30,769	286	203.1
	United Kingdom	2,983	...	2.3	16,209	...	19.8
	Belgium	...	...	...	112	...	...
	Holland	...	...	...	107	...	...
Over 78" and under 100" in width ..	United States	2,599	...	1.4	12,736	30	60.9
	United Kingdom	813	...	...	11,475	1	1.8
100" in width and over	United States	233	...	1.8	5,462	1	9.4
	United Kingdom	...	...	...	280	...	19.0
Flanged, dished or curved	United States	47	...	...	837	...	3.9
Boiler, pulp-mill digesters	United States	327	...	...	5,811	...	6.8
	United Kingdom	...	...	...	288	...	...
Chequered or surface pattern	United States	455	...	...	6,284	...	...
Painted	United States	1	...	...	15	...	...
For saws	United States	...	...	...	...	1	...
For tubes	United States	690	...	...	690	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, August, 1949 and Year to Date
(Continued)

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets -							
Silicon .075 or more	United States	...	1,208	...	...	13,947	...
	United Kingdom	...	...	...	...	415	...
Galvanized	United States	1,686	...	...	9,832	...	...
	United Kingdom	36	...	...	794	...	...
Hot rolled -							
18 gauge and heavier	United States	11,372	13	23.4	70,047	58	179.5
	Belgium	...	...	...	876	...	...
	United Kingdom	...	...	54.7	153	...	109.1
Lighter than 18 gauge	United States	811	...	5.4	9,861	3	65.3
	Belgium	...	...	...	284	...	...
	United Kingdom	14	...	1.8	157	...	3.0
For hollow ware (vitreous enamel)	United States	213	...	...	1,667	...	...
	United Kingdom	...	...	...	45	...	...
Corrugated	United States	450	...	...	2,952	...	...
	United Kingdom	10	...	...	10	...	...
Coated with paint, tar, asphaltum, etc.	United States	96	...	...	995	...	...
For saws	United States	30	12	...	63	375	...
	United Kingdom	...	...	...	...	12	...
For cold rolled strip	United States	...	...	...	1,190	...	...
Shaped for agricultural implements	United States	155	...	...	1,819	43	...
For tubes	United States	...	...	...	1,185	...	...
For galvanizing	United States	220	...	...	322	...	...
Cold rolled -							
18 gauge and heavier	United States	1,351	...	60.7	10,141	...	606.9
	United Kingdom	...	...	.1	562	...	3.8
Lighter than 18 gauge	United States	3,045	...	71.6	28,181	18	883.0
	United Kingdom	18	...	.1	1,628	...	.1
For hollow ware (vitreous enamel)	United States	2,072	...	...	10,057	...	...
	United Kingdom	245	...	...	1,644	...	...
Black plate - Tin mill	United States	266	...	...	6,487	...	...
Coated with paint, tar, asphaltum, etc.	United States	34	...	...	553	...	...
For heating apparatus	United States	52	...	...	223	...	...
For saws	Sweden	...	...	...	...	4	...
For shoe and corset laces	United States	...	...	...	1	...	...
For tubes	United States	1,338	...	...	6,233	...	...
For tubular products	United States	...	...	...	25	...	...
For butt hinges	United States	...	...	...	86	...	...
Black plate - For tinning	United States	65	...	...	13,639	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	...	...	...	4,308	...	...
Slabs for conversion to tin plate .	United States	...	...	...	20,093	...	...
Tin plate - Primes	United States	1,600	...	...	10,457	...	...
	United Kingdom	15	...	...	133	...	...
Electrolytic (25#)	United States	218	...	...	12,872	...	...
(50#)	United States	6	...	...	297	...	...
Waste waste	United States	...	...	...	9	...	...
Terne plate - Long	United States	325	...	...	3,684	...	...
Short	United States	...	...	...	3,524	...	...

Strip -**Hot rolled -**

18 gauge and heavier	United States	1,016	1	.5	10,681	196	16.9
	Belgium	14	...	...	950	...	...
	United Kingdom	...	...	...	310	...	...
Lighter than 18 gauge	United States	113	...	...	1,311	...	6.1

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, August, 1949 and Year to Date
(Continued)

Commodity	Country of origin	August			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip (Concluded) -							
Hot rolled -							
For cold rolling	United States	60	...	...	4,330	...	...
Painted	United States	124	...	...	2,187	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	145	...	...	738	...	...
For saws	United States	...	1	...	204	174	...
For motor vehicles	United States	1,485	...	...	9,008	80	...
For hoops	United States	139	...	...	1,420	...	...
For tubes	United States	...	...	...	311	...	...
For tubular products	United States	38	...	...	105	...	...
Silicon .075 or more	United States	...	407	...	...	2,860	...
Cold rolled -							
18 gauge and heavier	United States	271	3	7.4	3,431	45	172.5
	United Kingdom	...	...	...	63	4	...
Lighter than 18 gauge	United States	348	...	93.6	4,503	25	800.6
	Sweden	3	...	...	105	...	.1
	United Kingdom	...	...	...	79	...	...
Painted	United States	60	...	...	457	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	26	...	...	361	...	...
For saws	United States	...	...	...	5	50	...
	Sweden	...	1	...	...	61	...
For tubes	United States	53	...	...	1,437	...	...
For tubular products	United States	101	...	.1	980	...	.3
For butt hinges	United States	9	...	...	949	...	...
	Sweden	...	...	...	1	...	...
Silicon .075 or more	United States	...	...	...	...	994	...
Galvanized strip	United States	285	...	...	5,181	...	...
Skelp -							
15 3/8" and under in width	United States	10,102	...	...	70,662	...	...
	Belgium	...	...	...	27,403	...	...
Over 15 3/8" in width	United States	2,100	...	...	6,028	...	...
Pipes and Tubes -							
Cast	United States	17	...	...	99	...	...
	United Kingdom	494	...	...	2,491	...	...
Bedstead	United States	...	...	...	56	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	2,089	40	...	8,418	321	...
	United Kingdom	121	...	...	645	...	...
Cold drawn	United States	86	1	.1	1,245	44	5.7
	United Kingdom	...	...	...	366	...	...
Welded	United States	257	...	...	1,514	...	5.3
Repair of pulp mill digesters -							
Hot finished	United States	9	...	...	75	...	...
Cold drawn	United States	...	...	...	...	...	3.7
Seamless, 12" and under in diameter -							
Cold drawn	United States	602	3	10.3	5,358	272	140.2
	United Kingdom	8	...	.9	419	4	12.2
	Sweden	...	...	...	2	...	...
Hot finished	United States	534	49	...	4,217	145	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, August, 1949 and Year to Date
(Continued)

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and Tubes - (concluded)							
Seamless, over 12" in diameter -							
Hot finished	United States	102	...	...	1,067	10	...
	United Kingdom	1,944	...	...	4,803	...	...
Welded, 4" and under in diameter ..	United States	1,969	...	.8	18,161	...	16.2
	United Kingdom	727	...	...	2,513	...	2.4
	Occupied Japan	...	...	...	43	...	...
	Belgium	65	...	...	88	...	...
Welded, over 4" in diameter	United States	529	...	...	3,619	...	.1
	United Kingdom	9	...	...	9	...	...
Tubing -							
Not over ½" diameter, welded and coated	United States	11	...	...	197	...	...
Casings	United States	5,024	...	...	37,280	...	...
	France	...	...	...	472	...	...
Fittings and couplings	United States	180	...	.8	1,586	...	9.7
Wire rope							
	United States	23	...	...	276	...	.8
	United Kingdom	12	...	...	103	...	...
Wire -							
For wire rope	United States	679	...	...	11,748	...	.5
	United Kingdom	40	...	...	195	...	...
For corset laces, steels, etc.	United States	11	...	...	90	...	...
	United Kingdom	1	...	...	6	...	...
For spring mattress, etc.	United States	113	...	...	2,409	...	...
For fencing, galvanized	United States	20	...	...	1,082	...	...
Wire cloth and netting	United States	28	...	.4	1,903	...	2.1
	United Kingdom	...	...	...	28	...	...
Wire, coated	United States	67	...	...	816	...	...
	United Kingdom	...	...	...	2	...	...
Wire -- All other	United States	742	...	1.9	7,277	7	54.7
	United Kingdom	...	...	...	1	...	...
	Germany	...	...	...	2	...	...
	France	...	...	...	1	...	...
Wire rods, not over ¾" in diameter ..	United States	451	...	...	5,299	...	...
Welding wire and welding rods	United States	30	6	5.5	(*)2,070	(*)154	(*)81.4
Castings -							
For agricultural implements	United States	91	...	...	1,492	...	...
For ingot moulds	United States	2,107	...	...	19,249	...	...
Malleable	United States	13	...	...	320	...	...
Non-malleable	United States	111	...	...	1,152	...	...
Steel	United States	89	...	...	2,126	37	.6
For railway vehicles	United States	72	...	...	1,172	...	...
Rolls	United States	302	74	...	1,444	536	...
	United Kingdom	4	21	...	8	21	...
Piston rings (rough)	United States	18	...	...	166	...	...
Forgings							
	United States	1	14	...	746	464	.4
	United Kingdom	26	83	...	349	314	...
Axles - For railway vehicles	United States	53	...	...	259	...	...
Wheels -							
For railway rolling stock	United States	97	...	...	1,231	...	...
	United Kingdom	817	...	...	5,348	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, August, 1949 and Year to Date
(Concluded)

(Continued)

Commodity	Country of Origin	A u g u s t			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Tires -							
For railway rolling stock	United States	250	...	...	4,354	...	...
	United Kingdom	317	...	...	2,104	...	...
Rails -							
60 lb. and under	United States	42	...	...	219	...	...
Over 60 lb. and including 100 lb...	United States	13	...	...	1,078	...	...
Over 100 lb.	United States	...	...	...	228	...	...
Grooved for electric tramways	United States	...	...	...	266	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	106	...	...	802	...	...
	United Kingdom	48	...	...	48	...	...
Intersections, switches, frogs	United States	12	...	...	96	...	...
Total Imports							
	United States	88,105	2,018	326.8	832,782	29,015	3,474.7
	All other	9,431	130	68.8	106,871	1,140	217.9
TOTAL							
		97,536	2,148	395.6	939,653	30,155	3,692.6

(*) Revised.

Table 15 - Exports from Canada of Primary Iron and Steel, August, 1949 and Year to Date

	August	Year to Date
	(Tons of 2,000 pounds)	
Pig iron .....	...	1,121
Ingots, blooms and billets	10,184	45,418
Bars	291	10,958
Rods	25	292
Plates, sheets and strips	579	13,797
Rails	6,296	59,165
Structural shapes	180	8,942
Pipe and tubing - Wrought iron	6	378
Cast iron	109	686
Galvanized	859	14,517
Other	3	343
Castings, iron and steel	499	6,067
Forgings	34	511

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GOVERNMENT OF CANADA

MONTHLY REPORT
ON
PRIMARY IRON AND STEEL IN CANADA
SEPTEMBER - 1949



DOMINION BUREAU OF STATISTICS
DEPARTMENT OF TRADE AND COMMERCE

Published by Authority of the Rt. Hon. C. D. Howe
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section,
of the Industry and Merchandising Division,
Dominion Bureau of Statistics, Ottawa

PRIMARY IRON AND STEEL IN CANADA

SEPTEMBER, 1949

Pig Iron - Production of pig iron in Canada amounted to 168,436 net tons in September compared with 182,465 tons in the corresponding month of last year. The total for the current month included 131,451 tons of basic iron, 24,705 tons of foundry iron and 12,280 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in September amounted to 12,250 net tons compared with 12,562 tons in the previous month and with 12,318 tons in September of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during September totalled 240,748 net tons compared with 257,865 tons in September of last year. Output in the month under review included 232,882 tons of ingots and 7,866 tons of castings.

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 223,339 net tons in September, 1949 compared with 203,345 tons in August. The September shipments included 5,115 tons of semi-finished shapes, 14,305 tons of structurals, 13,172 tons of plates, 33,747 tons of rails, 3,970 tons of tie plates and track material, 41,185 tons of hot rolled bars, 15,629 tons of pipes and tubes, 24,922 tons of wire rods, 17,771 tons of black sheets, 8,394 tons of galvanized sheets, 7,845 tons of castings, and 24,956 tons of other rolled products. The amount of producers' interchange was 75,959 tons in September as against 68,824 tons in August.

Of the amounts shipped for sale during September, 47,425 tons went direct to railways and railway car shops; 11,378 tons went to pressing, forming and stamping plants; 29,875 tons to merchant trade products, 31,076 tons to building construction; 19,801 tons to the containers industry; 9,856 tons to agricultural equipment; 14,027 tons to the automotive industry; 8,450 tons to machinery plants; 1,096 tons to shipbuilding; 5,893 tons to mining, lumbering, etc., and 1,220 tons to miscellaneous industries; wholesalers and warehousing accounted for 29,500 tons, and exports for 11,917 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 75,959 tons in September, 1949.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During August, 1949 and September, 1949

	<u>August</u>			<u>September</u>		
	<u>For own use</u>	<u>For sale</u>	<u>Total</u>	<u>For own use</u>	<u>For sale</u>	<u>Total</u>
	(Net tons of 2,000 pounds)					
<u>Pig Iron -</u>						
Basic	148,429	8,415	156,844	129,781	1,670	131,451
Foundry	311	11,603	11,914	650	24,055	24,705
Malleable .....	...	11,357	11,357	...	12,280	12,280
Total Pig Iron	148,740	31,375	180,115	130,431	38,005	168,436
<u>Ferro-alloys -</u>	...	12,562	12,562	...	12,250	12,250

Table 2 - Cumulative Production for the Nine Months Ended September, 1948 and 1949

	<u>1 9 4 8</u>			<u>1 9 4 9</u>		
	<u>For own use</u>	<u>For sale</u>	<u>Total</u>	<u>For own use</u>	<u>For sale</u>	<u>Total</u>
	(Net tons of 2,000 pounds)					
<u>Pig Iron -</u>						
Basic	1,233,792	60,849	1,294,641	1,326,271	57,668	1,383,939
Foundry	15,899	159,422	175,321	3,390	150,549	153,939
Malleable .....	...	123,519	123,519	...	121,125	121,125
Total Pig Iron	1,249,691	343,790	1,593,481	1,329,661	329,342	1,659,003
<u>Ferro-alloys</u>	...	127,610	127,610	...	169,536	169,536

Table 3 - Iron Blast Furnace Charges During August and September, 1949 and Nine Months Ended September, 1949

	August 1949	September 1949	Nine Months Ended September, 1949
(Net tons of 2,000 pounds)			
Iron ore	306,359	292,485	2,943,556
Mill cinder, scale, sinter, etc. ..	45,913	39,336	352,716
Limestone	67,207	62,389	647,358
Dolomite	9,430	9,818	86,071
Coke	164,675	154,069	1,553,807
Scrap iron and steel	9,729	5,396	79,535

Table 4 - Iron Blast Furnaces in Canada

Name of Company	Location of Furnaces	Number of stacks	Total Annual Capacity (Net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at End of September, 1949

Condition of Furnaces	Number of furnaces	Total Annual Capacity	
		Net tons	per cent
In blast	9	2,179,900	79.5
Banked	1	120,000	4.3
Blown out	4	445,100	16.2
Total	14	2,745,000	100

(b) Steel Ingots and Steel Castings

Table 6 - Production During August and September, 1949

	A u g u s t			S e p t e m b e r		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	207,112	4,563	211,675	198,968	4,205	203,173
Electric	28,311	1,456	29,767	28,528	1,181	29,709
Total Steel Ingots ...	235,423	6,019	241,442	227,496	5,386	232,882
Alloy steel ingots included in above	12,200	...	12,200	13,633	...	13,633
<u>Steel Castings</u>						
Open hearth - Basic	131	2,554	2,685	209	2,811	3,020
Converter	4	...	4	4	...	4
Electric	844	3,774	4,618	1,150	3,692	4,842
Total Steel Castings .	979	6,328	7,307	1,363	6,503	7,866
Alloy steel castings included in above	331	665	996	625	993	1,618
TOTAL INGOTS AND CASTINGS .	236,402	12,347	248,749	228,859	11,889	240,748

Table 7 - Cumulative Production for the Nine Months Ended September, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - Basic	1,888,002	48,406	1,936,408	1,945,304	94,455	2,039,759
Electric	340,482	1,211	341,693	281,122	4,426	285,548
Total Steel Ingots ...	2,228,484	49,617	2,278,101	2,226,426	98,881	2,325,307
Alloy steel ingots included in above	114,418	...	114,418	109,289	...	109,289
<u>Steel Castings</u>						
Open hearth - Basic	1,621	23,623	25,244	1,679	22,492	24,171
Converter	30	348	378	19	57	76
Electric	9,524	48,140	57,664	10,597	44,217	54,814
Total Steel Castings .	11,175	72,111	83,286	12,295	66,766	79,061
Alloy steel castings included in above	4,428	8,466	12,894	4,617	8,011	12,628
TOTAL INGOTS AND CASTINGS	2,239,659	121,728	2,361,387	2,238,721	165,647	2,404,368

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During August and September, 1949 and Nine Months Ended September, 1949

	A u g u s t 1949	September 1949	Nine Months Ended September, 1949
	(Net tons of 2,000 pounds)		
Pig iron	139,025	134,198	1,323,589
Scrap - Own make	77,840	83,058	707,173
Purchased	52,322	49,673	625,565

Table 9 - Steel Furnace Capacity at End of September, 1949

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	574,000
Total Ingots	3,598,000
Steel castings	300,000
Total Ingots and Castings	3,898,000

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1947					
Month	Pig Iron	Ferro-alloys	S t e e l		Total Steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 4 8</u>					
January	160,042	17,125	247,768	8,958	256,726
February	151,123	11,823	230,183	9,463	239,646
March	172,675	14,293	275,349	10,677	286,026
April	170,785	14,474	254,315	9,951	264,266
May	193,305	18,436	279,688	9,879	289,567
June	183,763	13,502	249,710	9,655	259,365
July	187,940	12,939	238,104	6,768	244,872
August	191,383	12,700	254,362	8,692	263,054
September	182,465	12,318	248,622	9,243	257,865
October	186,424	19,489	272,127	9,739	281,866
November	166,771	17,594	267,671	10,307	277,978
December	174,233	23,708	271,128	9,297	280,425
Total	2,120,909	250,659	3,089,027	112,629	3,201,656

<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
Total - Nine Months.	1,659,003	169,536	2,325,307	79,061	2,404,368

Table 11 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, September, 1949

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	5,940	2,541	1,582
Other semi-finished shapes, not for re-rolling by makers	26,042	5,115	27,175
Structural shapes and piling	14,320	14,305	...
Plates	11,729	13,101	...
Rails	27,969	33,747	...
Tie plates and track material - Splice bars ..	82	110	...
Tie plates ...	3,245	3,219	...
Spikes	664	641	...
Concrete reinforcing bars	8,140	9,162	...
Hot rolled bars for cold finishing	640	23	668
Other hot rolled bars	38,652	35,589	5,181
Pipes and tubes	16,586	15,629	...
Wire rods	25,579	24,786	679
Hot rolled black sheets	14,459	9,682	5,900
Cold reduced black sheets	10,628	8,089	2,509
Galvanized sheets	8,243	8,394	...
Steel castings	6,341	6,273	...
Miscellaneous hot rolled products	32,262	3,240	32,100
All other products	20,082	21,235	...
Total - Carbon Steel	271,603	214,881	75,794

Table 11 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, September, 1949
(Concluded)

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Alloy Steel</u>			
Billets, etc., for forging	832	625	...
Other semi-finished shapes, not for re-rolling by makers	81	...	81
Structural shapes and piling .....	...	...	...
Plates	54	71	...
Rails .....	...	...	...
Tie plates and track material - Splice bars ..	...	...	...
Tie plates ...	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,006	5,573	81
Pipes and tubes .....	...	...	...
Wire rods	136	136	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,593	1,572	...
Miscellaneous hot rolled products	225	218	...
All other products	327	263	3
Total - Alloy Steel	9,254	8,458	165

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Nine Months
Ended September, 1949

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	70,892	45,196	23,731
Other semi-finished shapes, not for re-rolling by makers	386,823	34,349	367,814
Structural shapes and piling	131,337	127,518	...
Plates	142,208	143,897	73
Rails	235,472	246,631	...
Tie plates and track material -			
Splice bars	14,356	14,384	...
Tie plates	34,321	34,374	...
Spikes	8,423	8,517	...
Concrete reinforcing bars	68,275	66,609	...
Hot rolled bars for cold finishing	8,930	23	8,630
Other hot rolled bars	384,845	333,650	58,391
Pipes and tubes	159,588	154,044	...
Wire rods	220,880	218,577	3,372
Hot rolled black sheets	175,369	125,424	53,362
Cold reduced black sheets	80,089	62,964	14,772
Galvanized sheets	74,601	74,269	66
Steel castings	65,521	63,380	...
Miscellaneous hot rolled products	253,891	32,918	221,327
All other products	168,928	165,696	1
Total - Carbon Steel	2,684,749	1,952,420	751,539

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Table 12 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Nine Months Ended September, 1949 (Concluded)

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Alloy Steel</u>			
Billets, etc., for forging	7,257	6,666	...
Other semi-finished shapes, not for re-rolling by makers	3,283	...	3,283
Structural shapes and piling .....	...	...	...
Plates	780	786	...
Hot rolled bars for cold finishing .....	...	215	...
Other hot rolled bars	50,931	50,691	164
Pipes and tubes .....	...	...	...
Wire rods	661	646	...
Steel castings	12,864	12,290	...
Miscellaneous hot rolled products	1,939	1,964	...
All other products	2,180	2,141	3
Total - Alloy Steel	79,895	75,399	3,450

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, September, and Year to Date, 1949

	S e p t e m b e r		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	8,201	5,826	63,946	45,443
Agricultural, including farm machinery	9,825	31	82,364	291
Building construction	31,009	67	271,197	592
Containers industry	19,794	7	158,066	27
Machinery and tools	7,889	561	85,278	4,240
Merchant trade products	29,654	221	265,799	1,527
Mining, lumbering, etc.	5,229	664	58,001	5,111
National defence	130	4	818	16
Pressing, forming and stamping	11,317	61	100,412	584
Public works and utilities	1,638	53	14,403	387
Railway operating	33,612	163	274,444	1,739
Railway cars and locomotives	13,562	88	141,474	1,595
Shipbuilding	1,086	10	14,995	391
Miscellaneous and unclassified	1,107	113	9,792	1,017
Wholesalers and warehouses	29,340	160	258,167	2,882
Direct export (a) to British Empire ..	5,711	136	68,212	3,784
(b) to other countries .	5,777	293	85,052	5,773
Total Shipped for Sale	214,881	8,458	1,952,420	75,399
Producers' interchange	75,794	165	751,539	3,450

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, September, 1949 and Year to Date

		S e p t e m b e r			Year to Date		
Commodity	Country of Origin	Carbon	Alloy	Stain-less	Carbon	Alloy	Stain-less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	...	...	...	8,026	...	...
	Belgium	...	...	...	568	...	...
Foundry	United States	...	...	...	4,068	...	...
Malleable	United States	57	...	...	4,646	...	...
Silvery	United States	198	...	...	1,579	...	...
Charcoal	United States	...	...	...	117	...	...
Ingot	United States	102	60	...	31,243	83	...
Billets, blooms, slabs and sheet bars	United States	801	4	...	2,019	37	...
	United Kingdom	26	...
Tube rounds and tube billets	United States	3,754

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Table 14 - Imports into Canada of Primary Forms of Iron and Steel, September, 1949 and Year to Date
(Continued)

Commodity	Country of Origin	S e p t e m b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and Sections -							
Hot rolled, n.o.p.	United States	4,232	252	3.3	44,668	3,262	51.9
	United Kingdom	...	1	5.8	712	1	47.1
	Belgium	17	...	...	6,703	...	...
	Sweden	1	...	...	3	...	...
Hot rolled -							
For agricultural implements	United States	988	73	...	14,642	2,916	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4".	United States	157	2	...	1,122	182	.8
	United Kingdom	...	...	...	32	...	...
	Belgium	...	...	...	4	...	...
Angles, channels, etc.	United States	691	...	2.6	7,119	4	22.7
	Belgium	...	...	...	2,414	...	...
	United Kingdom	...	...	...	621	...	...
Structurals (bar sizes) for agri- cultural implements							
Sash or casement sections	United States	518	72	...	8,291	1,168	...
	United States	...	...	...	1,681	...	...
	United Kingdom	...	...	...	111	...	...
Cold rolled, n.o.p.	United States	477	15	3.7	6,214	226	66.0
	United Kingdom	...	...	...	8	6	5.3
	Germany	...	...	...	...	4	...
Cold rolled, for agricultural implements	United States	303	...	...	6,059	54	...
Tool steel	United States	4	36	...	92	379	...
	United Kingdom	46	23	...	619	291	...
	Belgium	...	...	...	2	...	...
Structurals	United States	16,759	...	...	142,771	42	6.3
	United Kingdom	...	...	...	703	...	...
	Belgium	...	...	...	10,721	...	...
	France	83	...	...	83	...	...
Plates -							
78" and under in width	United States	3,909	12	18.5	34,678	298	221.6
	United Kingdom	2,587	...	.7	18,796	...	20.5
	Belgium	...	...	...	112	...	...
	Holland	...	...	...	107	...	...
Over 78" and under 100" in width ..	United States	1,969	6	12.8	14,705	36	73.7
	United Kingdom	1,012	...	...	12,487	1	1.8
100" in width and over	United States	500	...	8.0	5,962	1	17.4
	United Kingdom	...	...	.3	280	...	19.3
Flanged, dished or curved	United States	139	...	.4	976	...	4.3
Boiler, pulp-mill digesters	United States	527	...	21.5	6,338	...	28.3
	United Kingdom	...	...	...	288	...	...
Chequered or surface pattern	United States	255	...	...	6,539	...	...
Painted	United States	1	...	...	16	...	...
For saws	United States	...	...	...	...	1	...
For tubes	United States	368	...	...	1,058	...	...
Sheets -							
Silicon .075 or more	United States	...	1,821	...	...	15,768	...
	United Kingdom	...	...	...	...	415	...
Galvanized	United States	1,300	...	...	11,132	...	...
	United Kingdom	82	...	...	876	...	...
Hot rolled -							
18 gauge and heavier	United States	7,759	2	8.8	77,806	60	188.3
	Belgium	...	...	...	876	...	...
	United Kingdom	...	...	14.4	153	...	123.5
Lighter than 18 gauge	United States	576	...	.8	10,437	3	66.1
	Belgium	...	...	...	284	...	...
	United Kingdom	...	...	3.4	157	...	6.4

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, September, 1949 and Year to Date
(Continued)

Commodity	Country of Origin	S e p t e m b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Hot rolled -							
For hollow ware (vitreous enamel)	United States	322	...	...	1,989	...	...
	United Kingdom	...	...	...	45	...	...
Corrugates	United States	489	...	...	3,441	...	...
	United Kingdom	...	...	...	10	...	...
Coated with paint, tar, asphaltum, etc.	United States	98	...	...	1,093	...	...
For saws	United States	...	69	...	63	444	...
	United Kingdom	...	...	...	...	12	...
For cold rolled strip	United States	203	...	...	1,393	...	...
Shaped for agricultural implements	United States	433	...	...	2,252	43	...
For tubes	United States	158	...	...	1,343	...	...
For galvanizing	United States	288	...	...	610	...	...
Cold rolled -							
18 gauge and heavier	United States	1,685	...	44.3	11,826	...	651.2
	United Kingdom	...	...	...	562	...	3.8
Lighter than 18 gauge	United States	3,124	...	70.8	31,305	18	953.8
	United Kingdom	...	...	...	1,628	...	.1
For hollow ware (vitreous enamel)	United States	1,906	...	...	11,963	...	...
	United Kingdom	19	...	...	1,663	...	...
Black plate - Tin mill	United States	159	...	...	6,646	...	...
Coated with paint, tar, asphaltum, etc.	United States	8	...	...	561	...	...
For heating apparatus	United States	62	...	...	285	...	...
For saws	Sweden	...	5	...	...	9	...
	United States	...	2	...	...	2	...
For shoe and corset laces	United States	...	...	...	1	...	...
For tubes	United States	1,366	...	...	7,599	...	...
For tubular products	United States	...	...	...	25	...	...
For butt hinges	United States	...	...	...	86	...	...
Black plate - For tinning	United States	...	...	...	13,639	...	...
Sheets, hot rolled for conversion to tin plate	United States	...	...	...	4,308	...	...
Slabs for conversion to tin plate .	United States	...	...	...	20,093	...	...
Tin plate - Primes	United States	858	...	...	11,315	...	...
	United Kingdom	16	...	...	149	...	...
Electrolytic (25#)	United States	47	...	...	12,919	...	...
(50#)	United States	...	...	...	297	...	...
Waste waste	United States	...	...	...	9	...	...
Terne plate - Long	United States	234	...	...	3,918	...	...
Short	United States	84	...	...	3,608	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,178	16	1.3	11,859	212	18.2
	Belgium	...	...	...	950	...	...
	United Kingdom	...	...	...	310	...	...
Lighter than 18 gauge	United States	103	...	...	1,414	...	6.1
For cold rolling	United States	364	...	...	4,694	...	...
Painted	United States	654	...	...	2,841	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	10	...	...	748	...	...
For saws	United States	9	21	...	213	195	...
For motor vehicles	United States	1,833	...	...	10,841	80	...
For hoops	United States	241	1,661
For tubes	United States	92	403
For tubular products	United States	105

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Table 14 - Imports into Canada of Primary Forms of Iron and Steel, September, 1949 and Year to Date
(Continued)

Commodity	Country of Origin	S e p t e m b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (concluded)							
Hot rolled -							
Silicon .075 or more	United States	...	405	...	...	3,265	...
Cold rolled -							
18 gauge and heavier	United States	284	...	27.5	3,715	45	200.0
	United Kingdom	...	...	...	63	4	...
Lighter than 18 gauge	United States	642	1	88.3	5,145	26	888.9
	Sweden	16	...	...	121	...	.1
	United Kingdom	3	...	...	82	...	...
Painted	United States	249	...	...	706	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	74	...	...	435	...	...
For saws	United States	...	6	...	5	56	...
	Sweden	...	1	...	...	62	...
For tubes	United States	16	...	...	1,453	...	...
For tubular products	United States	50	...	.2	1,030	...	.5
For butt hinges	United States	47	...	...	996	...	...
	Sweden	...	...	...	1	...	...
Silicon .075 or more	United States	...	...	...	...	994	...
Galvanized strip	United States	785	...	...	5,966	...	...
Skelp -							
15 ³ / ₈ " and under in width	United States	15,146	...	...	85,808	...	...
	Belgium	...	...	...	27,403	...	...
Over 15 ³ / ₈ " in width	United States	...	...	...	6,028	...	...
Pipes and Tubes -							
Cast	United States	3	...	...	102	...	...
	United Kingdom	338	...	...	2,829	...	...
Bedstead	United States	...	...	...	56	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	2,779	24	...	11,197	345	...
	United Kingdom	80	...	...	725	...	...
Cold drawn	United States	104	11	.5	1,349	55	6.2
	United Kingdom	...	...	...	366	...	...
Welded	United States	861	...	...	2,375	...	5.3
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	75	...	...
Cold drawn	United States	...	...	...	...	...	3.7
Seamless, 12" and under in diameter -							
Cold drawn	United States	687	4	12.7	6,045	276	152.9
	United Kingdom	2	...	2.2	421	4	14.4
	Sweden	...	...	...	2	...	...
Hot finished	United States	412	133	...	4,629	278	...
Seamless, over 12" in diameter -							
Hot finished	United States	274	...	...	1,341	10	...
	United Kingdom	19	...	...	4,822	...	...
Welded, 4" and under in diameter .	United States	1,334	...	1.7	19,495	...	17.9
	United Kingdom	204	...	...	2,717	...	2.4
	Occupied Japan	...	...	...	43	...	...
	Belgium	...	...	...	88	...	...
Welded, over 4" in diameter	United States	527	...	...	4,146	...	.1
	United Kingdom	...	...	...	9	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, September, 1949 and Year to Date
(Continued)

Commodity	Country of Origin	S e p t e m b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	38	...	...	235	...	...
Casings	United States	6,464	...	...	43,744	...	...
	France	...	...	...	472	...	...
Fittings and couplings	United States	173	...	.8	1,759	...	10.5
Wire rope							
	United States	16	...	...	292	...	.8
	United Kingdom	31	...	...	134	...	...
Wire -							
For wire rope	United States	1,021	...	...	12,769	...	.5
	United Kingdom	31	...	...	226	...	...
For corset laces, steels, etc.	United States	7	...	...	97	...	...
	United Kingdom	1	...	...	7	...	...
For spring mattress, etc.	United States	130	...	...	2,539	...	...
For fencing, galvanized	United States	...	...	...	1,082	...	...
Wire cloth and netting	United States	99	...	.2	2,002	...	2.3
	United Kingdom	9	...	...	37	...	...
Wire, coated	United States	47	...	...	863	...	...
	United Kingdom	...	...	...	2	...	...
Wire -- All other	United States	534	...	5.4	7,811	7	60.1
	United Kingdom	...	...	...	1	...	...
	Germany	...	...	...	2	...	...
	France	...	...	...	1	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter ..	United States	1,469	...	...	6,768	...	...
Welding wire and welding rods	United States	67	38	13.2	2,137	192	94.6
Castings -							
For agricultural implements	United States	103	...	...	1,595	...	...
For ingot moulds	United States	2,953	...	...	22,202	...	...
Malleable	United States	15	...	...	335	...	...
Non-malleable	United States	97	...	...	1,249	...	...
Steel	United States	65	26	...	2,191	63	.6
For railway vehicles	United States	10	...	...	1,182	...	...
Rolls	United States	168	30	...	1,612	566	...
	United Kingdom	...	...	...	8	21	...
Piston rings (rough)	United States	22	...	...	188	...	...
Forgings							
	United States	158	40	...	904	504	.4
	United Kingdom	34	105	...	383	419	...
Axles - For railway vehicles	United States	2	...	...	261	...	...
Wheels -							
For railway rolling stock	United States	30	...	...	1,261	...	...
	United Kingdom	700	...	...	6,048	...	...
Tires -							
For railway rolling stock	United States	275	...	...	4,629	...	...
	United Kingdom	66	...	...	2,170	...	...
Rails -							
60 lb. and under	United States	29	...	...	248	...	...
Over 60 lb. and including 100 lb. .	United States	130	...	...	1,208	...	...
Over 100 lb.	United States	25	...	...	253	...	...
Grooved for electric tramways	United States	266

Primary Iron and Steel

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Table 14 - Imports into Canada of Primary Forms of Iron and Steel, September, 1949 and Year to Date
(Concluded)

Commodity	Country of Origin	S e p t e m b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Track material -							
Angles, bars, tie plates, rail joints	United States	42	...	...	844	...	...
	United Kingdom	...	...	...	48	...	...
Intersections, switches, frogs	United States	9	...	...	105	...	...
<hr/>							
Total Imports	United States	97,070	3,181	347.3	929,852	32,196	3,822.0
	All other	5,397	135	26.8	112,268	1,275	244.7
<hr/>							
TOTAL		102,467	3,316	374.1	1,042,120	33,471	4,066.7

Table 15 - Exports from Canada of Primary Iron and Steel, September, 1949 and Year to Date

	September	Year to Date
(Tons of 2,000 pounds)		
Pig iron .....	...	1,121
Ingots, blooms and billets	4,977	50,395
Bars	1,204	12,162
Rods .....	...	292
Plates, sheets and strips	28	13,825
Rails	5,557	64,722
Structural shapes	92	9,034
Pipe and tubing - Wrought iron	9	387
Cast iron	91	727
Galvanized	359	14,876
Other	16	359
Castings, iron and steel	856	6,923
Forgings	41	552

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DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
OTTAWA

BAROMETRICS FILE 17
UNIVERSITY OF TORONTO
DEPT. OF ECONOMIC ECONOMY

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28

Price 25 cents

PRIMARY IRON AND STEEL IN CANADA

OCTOBER - 1949

Pig Iron - Production of pig iron in Canada amounted to 166,020 net tons in October compared with 186,424 tons in the corresponding month of last year. The total for the current month included 141,336 tons of basic iron, 19,439 tons of foundry iron and 5,245 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in October amounted to 15,456 net tons compared with 12,250 tons in the previous month and with 19,489 tons in October of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferromanganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during October totalled 258,891 net tons compared with 281,866 tons in October of last year. Output in the month under review included 252,965 tons of ingots and 5,926 tons of castings.

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 206,291 net tons in October, 1949 compared with 223,339 tons in September. The October shipments included 131 tons of semi-finished shapes, 19,004 tons of structurals, 11,254 tons of plates, 29,817 tons of rails, 641 tons of tie plates and track material, 40,985 tons of hot rolled bars, 14,826 tons of pipes and tubes, 23,774 tons of wire rods, 21,806 tons of black sheets, 7,711 tons of galvanized sheets, 6,077 tons of castings, and 9,883 tons of other rolled products. The amount of producers' interchange was 63,955 tons in October as against 75,959 tons in September.

Of the amounts shipped for sale during October, 40,245 tons went direct to railways and railway car shops; 13,702 tons went to pressing, forming and stamping plants; 26,265 tons to merchant trade products; 31,520 tons to building construction; 15,913 tons to the containers industry; 10,562 tons to agricultural equipment; 13,628 tons to the automotive industry; 7,996 tons to machinery plants; 1,726 tons to shipbuilding; 6,429 tons to mining, lumbering, etc., and 1,254 tons to miscellaneous industries; wholesalers and warehousing accounted for 29,881 tons, and exports for 4,819 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 63,955 tons in October, 1949.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During September and October, 1949

	S e p t e m b e r			O c t o b e r		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	129,781	1,670	131,451	140,281	1,055	141,336
Foundry	650	24,055	24,705	2,500	16,939	19,439
Malleable .....	...	12,280	12,280	...	5,245	5,245
Total Pig Iron ...	130,431	38,005	168,436	142,781	23,239	166,020
<u>Ferro-alloys</u> .....	...	12,250	12,250	...	15,456	15,456

Table 2 - Cumulative Production for the Ten Months Ended October, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	1,389,813	69,012	1,458,825	1,466,552	58,723	1,525,275
Foundry	17,460	173,621	191,081	5,890	167,488	173,378
Malleable .....	...	129,999	129,999	...	126,370	126,370
Total Pig Iron ...	1,407,273	372,632	1,779,905	1,472,442	352,581	1,825,023
<u>Ferro-alloys</u> .....	...	147,099	147,099	...	184,992	184,992

This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949					
Month	Pig Iron	Ferro-alloys	S t e e l		Total Steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
1 9 4 8					
January	160,042	17,125	247,768	8,958	256,726
February	151,123	11,823	230,183	9,463	239,646
March	172,675	14,293	275,349	10,677	286,026
April	170,785	14,474	254,315	9,951	264,266
May	193,305	18,436	279,688	9,879	289,567
June	183,763	13,502	249,710	9,655	259,365
July	187,940	12,939	238,104	6,768	244,872
August	191,383	12,700	254,362	8,692	263,054
September	182,465	12,318	248,622	9,243	257,865
October	186,424	19,489	272,127	9,739	281,866
November	166,771	17,594	267,671	10,307	277,978
December	174,233	23,708	271,128	9,297	280,425
Total	2,120,909	250,659(*)	3,089,027	112,629	3,201,656
1 9 4 9					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
Total - Ten Months .	1,825,023	184,992	2,578,272	84,987	2,663,259

(*) Total includes revised figures for January to October not available on monthly basis.

Table 11 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, October, 1949

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	3,575	3,310	810
Other semi-finished shapes, not for re-rolling by makers	28,816	131	27,460
Structural shapes and piling	19,210	19,004	...
Plates	12,141	11,216	...
Rails	31,581	29,817	...
Tie plates and track material - Splice bars ..	110	42	...
Tie plates ...	13	...	...
Spikes	720	599	...
Concrete reinforcing bars	7,351	6,275	...
Hot rolled bars for cold finishing	742	...	855
Other hot rolled bars	39,718	34,067	1,086
Pipes and tubes	13,435	14,826	...
Wire rods	25,089	23,773	234
Hot rolled black sheets	16,051	11,393	5,277
Cold reduced black sheets	13,522	10,413	1,384
Galvanized sheets	6,804	7,711	...
Steel castings	4,441	4,620	...
Miscellaneous hot rolled products	26,250	3,371	24,758
All other products	17,990	16,381	...
Total - Carbon Steel	267,559	196,949	61,864

Table 11 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, October, 1949
(Concluded)

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Alloy Steel</u>			
Billets, etc., for forging	298	402	...
Other semi-finished shapes, not for re-rolling by makers	2,091	...	2,091
Structural shapes and piling .....	...	...	...
Plates	10	38	...
Rails .....	...	...	...
Tie plates and track material - Splice bars ..	...	...	...
Tie plates ...	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,702	6,918	...
Pipes and tubes .....	...	...	...
Wire rods	9	1	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,472	1,457	...
Miscellaneous hot rolled products	246	237	...
All other products	356	289	...
Total - Alloy Steel	12,184	9,342	2,091

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Ten Months Ended October, 1949

Under October, 1947

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
		(Tons of 2,000 pounds)	
<u>Carbon Steel</u>			
Billets, etc., for forging	74,467	48,506	24,541
Other semi-finished shapes, not for re-rolling by makers	415,639	34,480	395,274
Structural shapes and piling	150,547	146,522	...
Plates	154,349	155,113	73
Rails	267,053	276,448	...
Tie plates and track material -			
Splice bars	14,466	14,426	...
Tie plates	34,334	34,374	...
Spikes	9,143	9,116	...
Concrete reinforcing bars	75,626	72,884	...
Hot rolled bars for cold finishing	9,672	23	9,485
Other hot rolled bars	424,563	367,717	59,477
Pipes and tubes	173,023	168,870	...
Wire rods	245,969	242,350	3,606
Hot rolled black sheets	191,420	136,817	58,639
Cold reduced black sheets	93,611	73,377	16,156
Galvanized sheets	81,405	81,980	66
Steel castings	69,962	68,000	...
Miscellaneous hot rolled products	280,141	36,289	246,085
All other products	186,918	182,077	1
Total - Carbon Steel	2,952,308	2,149,369	813,403

Table 12 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, Ten Months Ended October, 1949 (Concluded)

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Alloy Steel</u>			
Billets, etc., for forging	7,555	7,068	...
Other semi-finished shapes, not for re-rolling by makers	5,374	...	5,374
Structural shapes and piling .....	...	...	...
Plates	790	824	...
Hot rolled bars for cold finishing .....	...	...	... (*)
Other hot rolled bars	58,633	57,816(*)	164
Pipes and tubes .....	...	...	...
Wire rods	670	647	...
Steel castings	14,336	13,747	...
Miscellaneous hot rolled products	2,185	2,201	...
All other products	2,536	2,438(*)	3
Total - Alloy Steel	92,079	84,741	5,541

(*) Revised.

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, October, and Year to Date, 1949

	O c t o b e r		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	7,968	5,660	71,914	51,103
Agricultural, including farm machinery	10,533	29	92,897	320
Building construction	31,453	67	302,650	659
Containers industry	15,911	2	173,977	29
Machinery and tools	7,660	336	92,938	4,576
Merchant trade products	26,178	87	291,977	1,614
Mining, lumbering, etc.	5,799	630	63,800	5,741
National defence	524	3	1,342	19
Pressing, forming and stamping	13,669	33	114,081	617
Public works and utilities	1,735	89	16,138	476
Railway operating	34,041	71	308,485	1,810
Railway cars and locomotives	5,966	167	147,440	1,762
Shipbuilding	1,701	25	16,696	416
Miscellaneous and unclassified	1,081	173	10,873	1,190
Wholesalers and warehouses	29,722	159	287,889	3,041
Direct export (a) to British Empire ..	413	48	68,625	3,832
(b) to other countries ..	2,595	1,763	87,647	7,536
Total Shipped for Sale	196,949	9,342	2,149,369	84,741
Producers' interchange	61,864	2,091	813,403	5,541

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, October, 1949 and Year to Date

Table 24. Imports into Canada of Primary Forms of Iron and Steel, October, 1947, and Year to Date							
Commodity	Country of Origin	O c t o b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	...	...	...	8,026	...	...
	Belgium	...	...	...	568	...	...
Foundry	United States	...	...	...	4,068	...	...
Malleable	United States	...	...	...	4,646	...	...
Silvery	United States	...	...	...	1,579	...	...
Charcoal	United States	...	...	...	117	...	...
Ingots	United States	63	41	...	31,306	124	...
Billets, blooms, slabs and sheet bars	United States	...	2	...	2,019	39	...
	United Kingdom	...	...	...	...	26	...
Tube rounds and tube billets	United States	300	...	...	4,054	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, October, 1949 and Year to Date
(Continued)

Commodity	Country of Origin	O c t o b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and Sections -							
Hot rolled, n.o.p.	United States	1,213	83	4.0	45,881	3,345	55.9
	United Kingdom	27	...	4.1	739	1	51.2
	Belgium	35	...	...	6,738	...	...
	Sweden	...	...	...	3	...	...
Hot rolled -							
For agricultural implements	United States	249	...	...	14,891	2,916	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4".	United States	61	4	...	1,183	186	.8
	United Kingdom	...	...	...	32	...	...
	Belgium	...	...	...	4	...	...
Angles, channels, etc.	United States	331	...	1.8	7,450	4	24.5
	Belgium	15	...	...	2,429	...	...
	United Kingdom	...	...	...	621	...	...
Structurals (bar sizes) for agri- cultural implements	United States	38	...	...	8,329	1,168	...
Sash or casement sections	United States	79	...	...	1,760	...	...
	United Kingdom	22	...	...	133	...	...
Cold rolled, n.o.p.	United States	286	1	.5	6,500	227	66.5
	United Kingdom	...	...	1.4	8	6	6.7
	Germany	...	...	...	...	4	...
Cold rolled, for agricultural implements	United States	534	...	...	6,593	54	...
Tool steel	United States	8	28	...	100	407	...
	United Kingdom	9	47	...	628	338	...
	Belgium	...	...	...	2	...	...
Structurals	United States	7,271	...	...	150,042	42	6.3
	United Kingdom	7	...	...	710	...	...
	Belgium	...	...	...	10,721	...	...
	France	...	...	...	83	...	...
Plates -							
78" and under in width	United States	1,462	6	8.4	36,140	304	230.0
	United Kingdom	1,174	...	...	19,970	...	20.5
	Belgium	...	...	...	112	...	...
	Holland	...	...	...	107	...	...
Over 78" and under 100" in width ..	United States	280	...	...	14,985	36	73.7
	United Kingdom	94	...	...	12,581	1	1.8
100" in width and over	United States	117	...	...	6,079	1	17.4
	United Kingdom	...	...	...	280	...	19.3
Flanged, dished or curved	United States	74	...	.1	1,050	...	4.4
Boiler, pulp-mill digesters	United States	149	...	1.4	6,487	...	29.7
	United Kingdom	...	...	...	288	...	...
Chequered or surface pattern	United States	155	...	...	6,694	...	...
Painted	United States	8	...	...	24	...	...
For saws	United States	...	...	...	...	1	...
For tubes	United States	...	...	...	1,058	...	...
Sheets -							
Silicon .075 or more	United States	...	624	...	...	16,392	...
	United Kingdom	...	...	...	...	415	...
Galvanized	United States	882	...	...	12,014	...	...
	United Kingdom	...	...	...	876	...	...
Hot rolled -							
18 gauge and heavier	United States	2,467	4	2.6	80,273	64	190.9
	Belgium	...	...	...	876	...	...
	United Kingdom	...	...	2.1	153	...	125.6
Lighter than 18 gauge	United States	328	2	1.2	10,765	5	67.3
	Belgium	...	...	...	284	...	...
	United Kingdom	...	...	...	157	...	6.4

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, October, 1949 and Year to Date
(Continued)

Commodity	Country of Origin	O c t o b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets - (concluded)							
Hot rolled -							
For hollow ware (vitreous enamel)	United States	55	...	...	2,044	...	...
	United Kingdom	...	...	...	45	...	...
Corrugated	United States	268	...	...	3,709	...	...
	United Kingdom	...	...	...	10	...	...
Coated with paint, tar, asphaltum, etc.	United States	91	...	...	1,184	...	...
For saws	United States	36	46	...	99	490	...
	United Kingdom	...	...	...	...	12	...
For cold rolled strip	United States	26	...	...	1,419	...	...
Shaped for agricultural implements	United States	215	14	...	2,467	57	...
For tubes	United States	...	...	...	1,343	...	...
For galvanizing	United States	...	...	...	610	...	...
Cold rolled -							
18 gauge and heavier	United States	593	...	46.2	12,419	...	697.4
	United Kingdom	...	...	...	562	...	3.8
Lighter than 18 gauge	United States	2,137	...	67.4	33,442	18	1,021.2
	United Kingdom	...	...	...	1,628	...	.1
For hollow ware (vitreous enamel)	United States	1,095	...	...	13,058	...	...
	United Kingdom	...	...	...	1,663	...	...
Black plate - Tin mill	United States	13	...	...	6,659	...	...
Coated with paint, tar asphaltum, etc.	United States	38	...	...	599	...	...
For heating apparatus	United States	...	...	...	285	...	...
For saws	Sweden	...	2	...	...	11	...
	United States	...	2	...	...	4	...
For shoe and corset laces	United States	...	...	...	1	...	...
For tubes	United States	328	...	...	7,927	...	...
For tubular products	United States	...	...	...	25	...	...
For butt hinges	United States	...	...	...	86	...	...
Black plate - For tinning	United States	...	...	...	13,639	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	...	...	...	4,308	...	...
Slabs for conversion to tin plate .	United States	...	...	...	20,093	...	...
Tin plate - Primes	United States	37	...	...	11,352	...	...
	United Kingdom	19	...	...	168	...	...
Electrolytic (25#)	United States	5	...	...	12,924	...	...
(50#)	United States	...	...	...	297	...	...
Waste waste	United States	...	...	...	9	...	...
Terne plate - Long	United States	425	...	...	4,343	...	...
Short	United States	47	...	...	3,655	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	927	...	.4	12,786	212	18.6
	Belgium	56	...	...	1,006	...	...
	United Kingdom	87	...	...	397	...	...
Lighter than 18 gauge	United States	49	...	.3	1,463	...	6.4
For cold rolling	United States	392	...	...	5,086	...	...
Painted	United States	121	...	...	2,962	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	16	...	...	764	...	...
For saws	United States	20	21	...	233	216	...
For motor vehicles	United States	997	...	...	11,838	80	...
For hoops	United States	59	...	...	1,720	...	...
For tubes	United States	...	...	...	403	...	...
For tubular products	United States	24	...	...	129	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, October, 1949 and Year to Date
(Continued)

Commodity	Country of Origin	O c t o b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip - (concluded)							
Hot rolled -							
Silicon .075 or more	United States	...	226	...	...	3,491	...
Cold rolled -							
18 gauge and heavier	United States	647	4	17.0	4,362	49	217.0
	United Kingdom	...	...	...	63	4	...
Lighter than 18 gauge	United States	484	2	58.7	5,629	28	947.6
	Sweden	27	...	...	148	...	.1
	United Kingdom	...	...	...	82	...	...
Painted	United States	79	...	...	785	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	26	...	...	461	...	...
For saws	United States	...	18	...	5	74	...
	Sweden	...	...	...	...	62	...
For tubes	United States	...	...	...	1,453	...	...
For tubular products	United States	250	...	.5	1,280	...	1.0
For butt hinges	United States	28	17	...	1,024	17	...
	Sweden	...	...	...	1	...	...
Silicon .075 or more	United States	...	23	...	...	1,017	...
Galvanized strip	United States	421	...	...	6,387	...	...
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	3,372	...	...	89,180	...	...
	Belgium	...	...	...	27,403	...	...
Over 15 $\frac{3}{8}$ " in width	United States	301	...	...	6,329	...	...
Pipes and Tubes -							
Cast	United States	13	...	...	115	...	...
	United Kingdom	695	...	...	3,524	...	...
Bedstead	United States	...	...	...	56	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	734	...	...	11,931	345	...
	United Kingdom	78	8	...	803	8	...
Cold drawn	United States	2	...	...	1,351	55	6.2
	United Kingdom	...	...	...	366	...	...
Welded	United States	103	...	...	2,478	...	5.3
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	75	...	...
Cold drawn	United States	...	...	...	...	...	3.7
Seamless, 12" and under in diameter -							
Cold drawn	United States	708	42	14.5	6,753	318	167.4
	United Kingdom	10	...	2.6	431	4	17.0
	Sweden	...	...	...	2	...	...
Hot finished	United States	232	15	...	4,861	293	...
Seamless, over 12" in diameter -							
Hot finished	United States	76	...	...	1,417	10	...
	United Kingdom	836	...	...	5,658	...	...
Welded, 4" and under in diameter ..	United States	638	1	.8	20,133	1	18.7
	United Kingdom	522	...	...	3,239	...	2.4
	Occupied Japan	...	...	...	43	...	...
	Belgium	1	...	...	89	...	...
Welded, over 4" in diameter	United States	151	...	...	4,297	...	.1
	United Kingdom	...	...	...	9	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, October, 1949 and Year to Date
(Continued)

Commodity	Country of Origin	O c t o b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and Tubes - (concluded)							
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	26	...	...	261	...	...
Casings	United States	3,488	...	...	47,232	...	...
	France	...	...	...	472	...	...
	United Kingdom	21	...	...	21	...	...
Fittings and couplings	United States	328	...	1.2	2,087	...	11.7
	United Kingdom	3	...	...	3	...	...
Wire rope							
	United States	50	...	...	342	...	.8
	United Kingdom	24	...	...	158	...	...
Wire -							
For wire rope	United States	906	...	...	13,675	...	.5
	United Kingdom	63	...	...	289	...	...
For corset laces, steels, etc.	United States	...	...	...	97	...	...
	United Kingdom	...	...	...	7	...	...
For spring mattress, etc.	United States	60	...	...	2,599	...	...
For fencing, galvanized	United States	34	...	...	1,116	...	...
Wire cloth and netting	United States	113	...	...	2,115	...	2.3
	United Kingdom	17	...	...	54	...	...
Wire, coated	United States	57	...	...	920	...	...
	United Kingdom	6	...	...	8	...	...
Wire -- All other	United States	518	...	1.8	8,329	7	61.9
	United Kingdom	...	...	...	1	...	...
	Germany	...	...	...	2	...	...
	France	...	...	...	1	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter ..	United States	884	...	...	7,652	...	...
Welding wire and welding rods	United States	46	4	9.5	2,183	196	104.1
Castings -							
For agricultural implements	United States	148	...	...	1,743	...	...
For ingot moulds	United States	525	...	...	22,727	...	...
Malleable	United States	12	...	...	347	...	...
	United Kingdom	2	...	...	2	...	...
Non-malleable	United States	149	...	...	1,398	...	...
Steel	United States	9	6	...	2,200	69	.6
For railway vehicles	United States	22	...	...	1,204	...	...
Rolls	United States	97	101	...	1,709	667	...
	United Kingdom	...	17	...	8	38	...
Piston rings (rough)	United States	81	...	...	269	...	...
Forgings							
	United States	142	69	...	1,046	573	.4
	United Kingdom	21	32	...	404	451	...
Axles - For railway vehicles	United States	...	...	...	261	...	...
Wheels -							
For railway rolling stock	United States	48	...	...	1,309	...	...
	United Kingdom	937	...	...	6,985	...	...
Tires -							
For railway rolling stock	United States	157	...	...	4,786	...	...
	United Kingdom	237	...	...	2,407	...	...

Table 14 - Imports into Canada of Primary Forms of Iron and Steel, October, 1949 and Year to Date
(Concluded)

(Continued)

Commodity	Country of Origin	O c t o b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Rails -							
60 lb. and under	United States	...	...	...	248	...	...
Over 60 lb. and including 100 lb. .	United States	2	...	...	1,210	...	...
Over 100 lb.	United States	54	...	...	307	...	...
Grooved for electric tramways	United States	...	...	...	266	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	21	...	...	865	...	...
	United Kingdom	...	...	...	48	...	...
Intersections, switches, frogs	United States	9	...	...	114	...	...
Total Imports	United States	40,620	1,406	238.3	970,472	33,602	4,060.3
	All other	5,045	106	10.2	117,313	1,381	254.9
TOTAL		45,665	1,512	248.5	1,087,785	34,983	4,315.2

Table 15 - Exports from Canada of Primary Iron and Steel, October, 1949 and Year to Date

	October	Year to Date
(Tons of 2,000 pounds)		
Pig iron	1,474	2,595
Ingots, blooms and billets	23	50,418
Bars	4,254	16,416
Rods	15	307
Plates, sheets and strips	243	14,068
Rails .....	...	64,722
Structural shapes	356	9,390
Pipe and tubing - Wrought iron	1	388
Cast iron	60	787
Galvanized	159	15,035
Other	75	433
Castings, iron and steel	598	7,521
Forgings	29	581

Lacking Nov.-Dec. 1949



DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
OTTAWA

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28
Vol. 5-No. 1

Price 25 cents

PRIMARY IRON AND STEEL

JANUARY - 1950

Pig Iron - Production of pig iron in Canada amounted to 190,432 net tons in January compared with 183,074 tons in the corresponding month of last year. The total for the current month included 151,403 tons of basic iron, 21,845 tons of foundry iron and 17,184 tons of malleable iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during January totalled 289,949 net tons compared with 284,707 tons in January of last year. Output in the month under review included 283,894 tons of ingots and 6,055 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During December, 1949 and January, 1950

	December, 1949			January, 1950		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	129,956	4,141	134,097	141,543	9,860	151,403
Foundry	235	20,933	21,168	340	21,505	21,845
Malleable .....	...	16,737	16,737	102	17,082	17,184
Total Pig Iron ...	130,191	41,811	172,002	141,985	48,447	190,432
<u>Ferro-alloys</u> - .....	...	11,853	11,853	Not available		

Table 2 - Iron Blast Furnace Charges During December, 1949 and January, 1950

	December, 1949	January, 1950
	(Net tons of 2,000 pounds)	
Iron ore	300,931	337,732
Mill cinder, scale, sinter, etc.	40,381	37,521
Limestone	63,393	68,696
Dolomite	13,112	13,435
Coke	163,576	178,914
Scrap iron and steel	7,964	7,323

Table 3 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Note: This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Description of Iron Blast Furnaces at End of January, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	per cent
In blast	11	2,434,950	88.6
Banked .....	...	...	...
Blown out	3	310,050	11.4
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production During December, 1949 and January, 1950

	December, 1949			January, 1950		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	207,521	10,933	218,454	227,010	12,369	239,379
Electric	30,808	8,621	39,429	36,313	8,202	44,515
Total Steel Ingots ...	238,329	19,554	257,883	263,323	20,571	283,894
Alloy steel ingots included in above	7,590	...	7,590	...	12,748	12,748
<u>Steel Castings</u>						
Open hearth - Basic	154	1,811	1,965	155	1,908	2,063
Converter	1	...	1	...	4	4
Electric	1,027	3,073	4,100	1,107	2,881	3,988
Total Steel Castings .	1,182	4,884	6,066	1,262	4,793	6,055
Alloy steel castings included in above	479	685	1,164	530	760	1,290
TOTAL INGOTS AND CASTINGS..	239,511	24,438	263,949	264,585	25,364	289,949

Table 6 - Pig Iron and Scrap Charged to Steel Furnaces During December, 1949 and January, 1950

	December, 1949	January, 1950
	(Net tons of 2,000 pounds)	
Pig iron	136,690	141,154
Scrap - Own make	82,433	84,270
Purchased	71,522	88,284

Table 7 - Steel Furnace Capacity at End of January, 1950

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	676,000
Total Ingots	3,700,000
Steel castings	300,000
Total Ingots and Castings	4,000,000

Table 8 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

Table 3 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1947 and 1950					
Month	Pig Iron	Ferro-alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,368	97,562	3,186,930
<u>1 9 5 0</u>					
January	190,432	Not available	283,894	6,055	289,949

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 211,431 net tons in January, 1950 compared with 234,284 net tons in December, 1949. The January shipments included 6,003 tons of semi-finished shapes; 11,180 tons of structurals; 12,606 tons of plates; 31,167 tons of rails; 6,072 tons of tie plates and track materials; 34,648 tons of hot rolled bars; 12,832 tons of pipes and tubes; 24,839 tons of wire rods; 28,764 tons of black sheets; 6,890 tons of galvanized sheets; 5,832 tons of castings and 7,207 tons of other rolled products. The amount of producers' interchange was 92,064 tons in January, 1950 as against 62,014 tons in December, 1949.

Of the amounts shipped for sale during January, 36,722 tons went direct to railways and railway car shops; 19,576 tons went to pressing, forming and stamping plants; 25,944 tons to merchant trade products; 23,626 tons to building construction; 14,785 tons to the containers industry; 11,514 tons to agricultural equipment; 13,324 tons to the automotive industry; 10,183 tons to machinery plants; 2,905 tons to shipbuilding; 7,003 tons to mining, lumbering, etc.; and 1,250 tons to miscellaneous industries; wholesalers and warehousing accounted for 23,646 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 92,064 tons in January, 1950.

Table 9 - Production and Producers' Shipments of Primary Iron and Steel Shapes, January, 1950

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	13,853	4,405	9,245
Other semi-finished shapes, not for re-rolling by makers	41,579	6,003	30,703
Structural shapes and piling	12,920	11,180	...
Plates	12,906	12,491	...
Rails	29,105	31,167	...
Tie plates and track material - Splice bars ...	1,864	1,061	...
Tie plates	3,309	3,357	...
Spikes	1,329	1,654	...
Concrete reinforcing bars	5,680	4,896	...
Hot rolled bars for cold finishing	478	...	368
Other hot rolled bars	36,187	28,688	6,379
Pipes and tubes	15,370	12,832	...
Wire rods	26,814	24,758	124
Hot rolled black sheets	34,017	14,175	16,865
Cold reduced black sheets	15,685	14,589	2,055
Galvanized sheets	8,128	6,890	449
Steel castings	4,417	4,445	...
Miscellaneous hot rolled products	28,963	2,103	25,552
All other products	18,321	18,351	1
Total - Carbon Steel	310,925	203,045	91,741
<u>Alloy Steel</u>			
Billets, etc., for forging	537	396	...
Other semi-finished shapes, not for re-rolling by makers	279	...	279
Structural shapes and piling .....	...	...	...
Plates	135	115	...
Rails .....	...	...	...
Tie plates and track material - Splice bars ...	...	...	...
Tie plates ....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,328	5,960	43
Pipes and tubes .....	...	...	...
Wire rods	81	81	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,500	1,387	...
Miscellaneous hot rolled products	143	208	...
All other products	201	239	1
Total - Alloy Steel	9,204	8,386	323

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 10 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, January, 1950

	J a n u a r y	
	Carbon	Alloy
	steel	steel
	(Tons of 2,000 pounds)	
Automotive industries	7,740	5,584
Agricultural, including farm machinery	11,472	42
Building construction	23,573	53
Containers industry	17,484	1
Machinery and tools	9,579	604
Merchant trade products	25,709	235
Mining, lumbering, etc.	6,391	612
National defence	37	20
Pressing, forming and stamping	19,497	79
Public works and utilities	776	26
Railway operating	34,258	104
Railway cars and locomotives	2,296	64
Shipbuilding	2,887	18
Miscellaneous and unclassified	1,167	83
Wholesalers and warehouses	23,534	112
Direct export (a) to British Empire	6,583	30
(b) to other countries	10,062	719
Total Shipped for Sale	203,045	8,386
Producers' interchange	91,741	323

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1950

Commodity	Country of origin	J a n u a r y		
		Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Pig Iron -				
Basic	United States	...	...	...
	Belgium	...	...	...
Foundry	United States	...	...	...
	United Kingdom	...	...	...
Malleable	United States	...	...	...
Silvery	United States	...	...	...
Charcoal	United States	...	...	...
Special	Germany	...	...	...
Ingots	United States	14	...	...
Billets, blooms, slabs and sheet bars	United States	2	1	1.4
	United Kingdom	...	...	...
Tube rounds and tube billets	United States	...	...	...
Bars and Sections -				
Hot rolled, n.o.p.	United States	2,401	75	3.3
	United Kingdom	101	...	6.6
	Belgium	27	...	...
	Sweden	2	...	...
Hot rolled -				
For agricultural implements	United States	465	...	...
Rounds over 4 $\frac{7}{8}$ " , squares over 4".	United States	75	1	...
	United Kingdom	18	...	.3
	Belgium	...	...	...
Angles, channels, etc.	United States	15	1	4.0
	Germany	...	...	...
	Belgium	1	...	...
	United Kingdom	...	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1950 (Continued)

		J a n u a r y		
Commodity	Country of origin	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)				
Bars and Sections - (concluded)				
Hot rolled -				
Structurals (bar sizes) for agri- cultural implements	United States	98	...	...
Sash or casement sections	United States	80	...	...
	Belgium	11	...	...
Cold rolled, n.o.p.	United States	336	3	6.7
	United Kingdom	6	...	4.
	Germany	...	...	...
Cold rolled, for agricultural implements	United States	681	...	...
Tool steel	United States	2	32	...
	United Kingdom	82	9	...
	Belgium	...	...	...
Structurals	United States	11,318	...	...
	United Kingdom	185	...	...
	Belgium	...	...	...
	France	...	...	...
Plates -				
78" and under in width	United States	437	3	8.0
	United Kingdom	483	...	1.4
	Belgium	...	...	...
	Holland	...	...	...
Over 78" and under 100" in width ..	United States	331	222	...
	United Kingdom	230	...	...
100" in width and over	United States	260	...	...
	United Kingdom	25	...	...
Flanged, dished or curved	United States	167	...	...
Boiler, pulp-mill digesters	United States	464	...	5.4
	United Kingdom	...	...	...
Chequered or surface pattern	United States	423	...	...
Painted	United States	1	...	...
For saws	United States	...	...	...
For tubes	United States	...	...	...
Sheets -				
Silicon .075 or more	United States	...	1,495	...
	United Kingdom	...	104	...
Galvanized	United States	905	...	...
	United Kingdom	349	...	...
Hot rolled -				
18 gauge and heavier	United States	2,601	8	14.5
	Germany	...	...	...
	Belgium	...	...	...
	United Kingdom	65	...	44.3
Lighter than 18 gauge	United States	177	...	12.9
	Belgium	...	...	...
	United Kingdom	187	...	6.3
For hollow ware (vitreous enamel)	United States	...	...	...
	United Kingdom	...	...	...
Corrugated	United States	269	...	...
	United Kingdom	18	...	...
Coated with paint, tar, asphaltum, etc.	United States	132	...	...
For saws	United States	3	39	...
	United Kingdom	...	...	...
For cold rolled strip	United States	...	...	...
Shaped for agricultural implements	United States	288	24	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1950 (Continued)

Commodity	Country of origin	J a n u a r y		
		Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)				
Sheets - (concluded)				
Hot rolled -				
For tubes	United States	...	...	...
For galvanizing	United States	...	...	...
Cold rolled -				
18 gauge and heavier	United States	1,055	...	84.2
	United Kingdom	...	...	...
Lighter than 18 gauge	United States	2,153	...	48.2
	United Kingdom	12	...	...
For hollow ware (vitreous enamel)	United States	560	...	...
	United Kingdom	32	...	...
Black plate - Tin mill	United States	33	...	...
Coated with paint, tar, asphaltum, etc.	United States	38	...	...
For heating apparatus	United States	12	...	...
For saws	Sweden	...	...	...
	United States	...	...	...
For shoe and corset laces	United States	...	...	...
For tubes	United States	658	...	...
For tubular products	United States	...	...	...
For butt hinges	United States	...	...	...
Black plate - For tinning	United States	...	...	...
Sheets, hot rolled for conversion to tin plate	United States	...	...	...
Slabs for conversion to tin plate .	United States	...	...	...
Tin plate - Primes	United States	46	...	...
	United Kingdom	1	...	...
Electrolytic (25#)	United States	15	...	...
(50#)	United States	...	...	...
Waste waste	United States	...	...	...
Terne plate - Long	United States	436	...	...
Short	United States	26	...	...
Strip -				
Hot rolled -				
18 gauge and heavier	United States	1,077	...	1.9
	Belgium	50	...	...
	United Kingdom	279	...	...
Lighter than 18 gauge	United States	233	...	33.9
For cold rolling	United States	95	...	...
Painted	United States	336	...	...
	United Kingdom	10	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	49	...	...
For saws	United States	9	33	...
	United Kingdom	...	8	1.9
For motor vehicles	United States	1,887	...	...
For hoops	United States	183	...	...
	United Kingdom	112	...	...
For tubes	United States	...	...	...
For tubular products	United States	5	...	...
For butthings	United States	4	...	...
Silicon .075 or more	United States	...	176	...
Cold rolled -				
18 gauge and heavier	United States	268	4	29.2
	Belgium	19	...	...
Lighter than 18 gauge	United States	379	...	53.9
	Sweden	14	...	...
	United Kingdom	7	...	...
Painted	United States	179	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	34	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1950 (Continued)

		J a n u a r y		
Commodity	Country of origin	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Strip - (concluded)				
Cold rolled -				
For saws	United States	...	3	...
	Sweden	...	...	...
For tubes	United States	36	...	...
For tubular products	United States	50	...	...
For butt hinges	United States	111	...	...
	Sweden	...	...	...
Silicon .075 or more	United States	...	355	...
Galvanized strip	United States	546	...	...
Skelp -				
15 ³ / ₈ " and under in width	United States	13,159	...	...
	Belgium	...	...	...
Over 15 ³ / ₈ " in width	United States	1,959	...	...
Pipes and Tubes -				
Cast	United States	22	...	...
	United Kingdom	1,110	...	...
Bedstead	United States	54	...	...
Repair of pressure parts of boilers - Hot finished	United States	348	74	...
	United Kingdom	...	...	...
Cold drawn	United States	42	22	...
	United Kingdom	...	...	...
Welded	United States	70	...	...
Repair of pulp mill digesters -				
Hot finished	United States	...	...	...
Cold drawn	United States	...	...	...
Seamless, 12" and under in diameter -				
Cold drawn	United States	337	8	13.5
	United Kingdom	16	...	...
	Sweden	...	...	...
Hot finished	United States	613	95	.3
	United Kingdom	45	...	...
Seamless, over 12" in diameter -				
Hot finished	United States	133	...	...
	United Kingdom	712	...	...
Welded, 4" and under in diameter ..	United States	399	...	4.4
	United Kingdom	189	...	...
	Occupied Japan	...	...	...
	Belgium	...	...	...
Welded, over 4" in diameter	United States	3,160	...	...
	United Kingdom	...	...	...
Tubing -				
Not over ¹ / ₈ " diameter, welded and coated	United States	43	...	...
Casings	United States	4,530	...	...
	France	...	...	...
	United Kingdom	21	...	...
Tubing, spiral welded	United States	173	...	...
Fittings and couplings	United States	223	...	.7
	United Kingdom	...	...	...
Wire rope	United States	101	...	.1
	United Kingdom	18	...	...
	Belgium	...	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1950 (Concluded)

Commodity	Country of origin	J a n u a r y		
		Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Wire -				
For wire rope	United States	902	...	...
	United Kingdom	335	...	...
For corset laces, steels, etc.	United States	13	...	...
	United Kingdom	1	...	...
For spring mattress, etc.	United States	129	...	...
For fencing, galvanized	United States	1	...	...
Wire cloth and netting	United States	2	...	.4
	United Kingdom	...	...	...
Wire, coated	United States	85	...	...
	United Kingdom	...	...	...
Wire -- All other	United States	423	2	5.2
	United Kingdom	...	...	...
	Germany	...	...	...
	France	...	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter ..	United States	28	...	...
	Germany	54	...	...
	Sweden	23	...	...
Welding wire and welding rods	United States	13	2	8.4
Castings -				
For agricultural implements	United States	218	...	...
For ingot moulds	United States	820	...	...
Malleable	United States	52	...	...
	United Kingdom	...	...	...
Non-malleable	United States	75	...	...
Steel	United States	27	...	.7
	Norway	...	...	...
For railway vehicles	United States	112	...	...
Rolls	United States	152	11	...
	United Kingdom	...	...	...
Piston rings (rough)	United States	48	...	...
Forgings	United States	163	28	...
	United Kingdom	39	65	...
Axles - For railway vehicles	United States	38	...	...
Wheels - For railway rolling stock ..	United States	45	...	...
	United Kingdom	13	...	...
Tires - For railway rolling stock ...	United States	253	...	...
	United Kingdom	...	...	...
Rails -				
60 lb. and under	United States	3	...	...
	United Kingdom	...	...	...
Over 60 lb. and including 100 lb. .	United States	...	...	...
Over 100 lb.	United States	153	...	...
Grooved for electric tramways	United States	...	...	...
Track material -				
Angles, bars, tie plates, rail joints	United States	37	...	...
	United Kingdom	...	...	...
Intersections, switches, frogs	United States	5	...	...
Total Imports	United States	61,621	2,717	341.2
	All other	4,902	186	63.2
TOTAL		66,523	2,903	404.4

Table 12 - Exports of Primary Iron and Steel, January, 1950

	January
	(Tons of 2,000 pounds)
Pig iron	5,200
Ingots, blooms and billets	10,321
Bars	594
Rods .....	...
Plates, sheets and strips	1,525
Rails	10,014
Structural shapes	54
Pipe and tubing - Wrought iron	44
Cast iron	282
Galvanized	11
Other	1
Castings, iron and steel	236
Forgings	33

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DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
OTTAWA

DEPT. OF POLITICAL ECONOMY

BAROMETRICS FILE 11

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28
Vol.5-No.2

Price 25 cents

PRIMARY IRON AND STEEL

FEBRUARY - 1950

Pig Iron - Production of pig iron in Canada amounted to 157,200 net tons in February, compared with 172,724 tons in the corresponding month of last year. The total for the current month included 123,418 tons of basic iron, 8,301 tons of foundry iron and 25,481 tons of malleable iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during February totalled 258,123 net tons compared with 259,271 tons in February of last year. Output in the month under review included 251,890 tons of ingots and 6,233 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During January and February, 1950

	January, 1950			February, 1950		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	141,543	9,860	151,403	121,731	1,687	123,418
Foundry	340	21,505	21,845	150	8,151	8,301
Malleable	102	17,082	17,184	...	25,481	25,481
Total Pig Iron ..	141,985	48,447	190,432	121,881	35,319	157,200
<u>Ferro-alloys</u> -	Not	available		Not	available	

Table 2 - Cumulative Production for the Two Months Ended February, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	281,078	14,379	295,457	263,274	11,547	274,821
Foundry	210	34,895	35,105	490	29,656	30,146
Malleable .....	...	25,236	25,236	102	42,563	42,665
Total Pig Iron ..	281,288	74,510	355,798	263,866	83,766	347,632
<u>Ferro-alloys</u> - .....	...	43,644	43,644	Not	available	

Table 3 - Iron Blast Furnace Charges During January and February, 1950 and Two Months Ended February, 1950

	January 1950	February 1950	Two months ended February, 1950
	(Net tons of 2,000 pounds)		
Iron ore	337,732	295,524	633,256
Mill cinder, scale, sinter, etc. ..	37,521	30,606	68,127
Limestone	68,696	54,602	123,298
Dolomite	13,435	15,627	29,062
Coke	178,914	151,032	329,946
Scrap iron and steel	7,323	4,925	12,248

This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	14	2,745,000

Table 5 - Description of Iron Blast Furnaces at End of February, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	per cent
In blast	10	2,316,280	84.3
Banked	1	120,000	4.3
Blown out	3	308,720	11.4
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During January and February, 1950

	January, 1950			February, 1950		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - Basic	227,010	12,369	239,379	202,005	10,881	212,886
Electric	36,313	8,202	44,515	33,035	5,969	39,004
Total Steel Ingots	263,323	20,571	283,894	235,040	16,850	251,890
Alloy steel ingots included in above	12,748	...	12,748	15,998	...	15,998
<u>Steel Castings</u>						
Open hearth - Basic	155	1,908	2,063	161	1,881	2,042
Converter .....	...	4	4	1	...	1
Electric	1,107	2,881	3,988	1,262	2,928	4,190
Total Steel Castings ..	1,262	4,793	6,055	1,424	4,809	6,233
Alloy steel castings included in above	530	760	1,290	610	965	1,575
TOTAL INGOTS AND CASTINGS .	264,585	25,364	289,949	236,464	21,659	258,123

Table 7 - Cumulative Production for The Two Months Ended February 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - Basic	439,650	19,801	459,451	429,015	23,250	452,265
Electric	65,525	20	65,545	69,348	14,171	83,519
Total Steel Ingots	505,175	19,821	524,996	498,363	37,421	535,784
Alloy steel ingots included in above	28,003	...	28,003	28,746	...	28,746

Table 7 - Cumulative Production for the Two Months Ended February, 1949 and 1950 (concluded)

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Castings</u>						
Open hearth - Basic	443	5,262	5,705	316	3,789	4,105
Converter	1	18	19	1	4	5
Electric	2,463	10,795	13,258	2,369	5,809	8,178
Total Steel Castings ..	2,907	16,075	18,982	2,686	9,602	12,288
Alloy steel castings included in above	1,081	1,958	3,039	1,137	1,501	2,638
TOTAL INGOTS AND CASTINGS .	508,082	35,896	543,978	501,049	47,023	548,072

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During January and February, 1950 and Two Months Ended February, 1950

	January 1950	February 1950	Two Months Ended February, 1950
	(Net tons of 2,000 pounds)		
Pig iron	141,154	124,518	265,672
Scrap - Own make	84,270	73,129	157,399
Purchased	88,284	83,297	171,581

Table 9 - Steel Furnace Capacity at End of February, 1950

	Annual Capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel Castings	300,000
Total Ingots and Castings	3,972,500

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

Month	Pig Iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
1 9 4 9					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,368	97,562	3,186,930
1 9 5 0					
January	190,432	Not	283,894	6,055	289,949
February	157,200	available	251,890	6,233	258,123
Total - Two Months ..	347,632		535,784	12,288	548,072

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 198,347 net tons in February, 1950 compared with 211,431 tons in January, 1950. The February shipments included 3,231 tons of semi-finished shapes, 9,604 tons of structurals, 12,528 tons of plates, 27,353 tons of rails, 4,674 tons of tie plates and track material, 37,209 tons of hot rolled bars, 15,007 tons of pipes and tubes, 22,106 tons of wire rods, 21,955 tons of black sheets, 7,853 tons of galvanized sheets, 5,635 tons of castings, and 8,871 tons of other rolled products. The amount of producers' interchange was 114,248 tons in February as against 92,064 tons in January, 1950.

Of the amounts shipped for sale during February, 39,615 tons went direct to railways and railway car shops; 18,151 tons went to pressing, forming and stamping plants; 27,345 tons to merchant trade products; 23,669 tons to building construction; 17,714 tons to the containers industry; 11,351 tons to agricultural equipment; 12,195 tons to the automotive industry; 8,504 tons to machinery plants; 2,424 tons to shipbuilding; 8,759 tons to mining, lumbering, etc., and 922 tons to miscellaneous industries; wholesalers and warehousing accounted for 18,557 tons, and exports for 7,847 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 114,248 tons in February, 1950.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, February, 1950

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	12,756	3,184	8,716
Other semi-finished shapes, not for re-rolling by makers	26,969	3,231	24,946
Structural shapes and piling	10,747	9,604	...
Plates	12,449	12,498	...
Rails	27,362	27,353	...
Tie plates and track material - Splice bars ..	125	878	...
Tie plates ...	2,778	2,506	...
Spikes	1,331	1,290	...
Concrete reinforcing bars	5,654	5,481	...
Hot rolled bars for cold finishing	873	...	1,023
Other hot rolled bars	42,044	32,514	5,280
Pipes and tubes	17,602	15,007	1
Wire rods	20,596	22,077	38
Hot rolled black sheets	56,959	8,692	47,884
Cold reduced black sheets	14,443	13,263	1,552
Galvanized sheets	7,597	7,853	449
Steel castings	4,391	4,093	...
Miscellaneous hot rolled products	27,845	3,390	24,038
All other products	19,044	18,388	...
Total - Carbon Steel	311,565	191,302	113,029
<u>Alloy Steel</u>			
Billets, etc., for forging	569	447	...
Other semi-finished shapes, not for re-rolling by makers	1,210	...	1,210
Structural shapes and piling .....	...	...	...
Plates	9	30	...
Rails .....	...	...	...
Tie plates and track material - Splice bars ..	...	...	...
Tie plates ...	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	4,981	4,695	9

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, February, 1950
(Concluded)

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Alloy Steel (Concluded)</u>			
Pipes and tubes .....	...	...	...
Wire rods	34	29	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,590	1,542	...
Miscellaneous hot rolled products	144	184	...
All other products	111	118	...
Total - Alloy Steel	8,648	7,045	1,219

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Two Months Ended February, 1950

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	26,609	7,589	17,961
Other semi-finished shapes, not for re-rolling by makers	68,548	9,234	55,649
Structural shapes and piling	23,667	20,784	...
Plates	25,355	24,989	...
Rails	56,467	58,520	...
Tie plates and track material -			
Splice bars	1,989	1,939	...
Tie plates	6,087	5,863	...
Spikes	2,660	2,944	...
Concrete reinforcing bars	11,334	10,377	...
Hot rolled bars for cold finishing	1,351	...	1,391
Other hot rolled bars	78,231	61,202	11,659
Pipes and tubes	32,972	27,839	1
Wire rods	47,410	46,835	162
Hot rolled black sheets	90,976	22,867	64,749
Cold reduced black sheets	30,128	27,852	3,607
Galvanized sheets	15,725	14,743	...
Steel castings	8,808	8,538	...
Miscellaneous hot rolled products	56,808	5,493	49,590
All other products	37,365	36,739	1
Total - Carbon Steel	622,490	394,347	204,770
<u>Alloy Steel</u>			
Billets, etc., for forging	1,106	843	...
Other semi-finished shapes, not for re-rolling by makers	1,489	...	1,489
Structural shapes and piling .....	...	...	...
Plates	144	145	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	11,309	10,655	52
Pipes and tubes .....	...	...	...
Wire rods	115	110	...
Steel castings	3,090	2,929	...
Miscellaneous hot rolled products	287	392	...
All other products	312	357	1
Total - Alloy Steel	17,852	15,431	1,542

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, February and Year to Date, 1950

	February, 1950		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	7,507	4,688	15,247	10,272
Agricultural, including farm machinery	11,284	67	22,756	109
Building construction	23,633	36	47,206	89
Containers industry	17,712	2	35,196	3
Machinery and tools	7,899	605	17,478	1,209
Merchant trade products	27,119	226	52,828	461
Mining, lumbering, etc.	8,214	545	14,605	1,157
National defence	382	2	419	22
Pressing, forming and stamping	18,083	68	37,580	147
Public works and utilities	870	40	1,646	66
Railway operating	37,004	139	71,262	243
Railway cars and locomotives	2,435	37	4,731	101
Shipbuilding	2,407	17	5,294	35
Miscellaneous and unclassified	846	76	2,013	159
Wholesalers and warehouses	18,477	80	42,011	192
Direct export (a) to British Empire ..	757	23	7,340	53
(b) to other countries .	6,673	394	16,735	1,113
Total Shipped for Sale	191,302	7,045	394,347	15,431
Producers' interchange	113,029	1,219	204,770	1,542

Table 14 - Imports of Primary Forms of Iron and Steel, February, 1950 and Year to Date

Table 14 - Imports of Primary Forms of Iron and Steel, February, 1950 and Year to Date							
Commodity	Country of origin	February, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
Foundry	United States	...	...	...	...	...	...
	United Kingdom	...	...	...	...	...	...
Malleable	United States	172	...	...	172	...	...
Silvery	United States	...	...	...	...	...	...
Charcoal	United States	...	...	...	...	...	...
Special	Germany	...	...	...	...	...	...
Ingots	United States	181	86	...	195	86	...
Billets, blooms, slabs and sheet bars	United States	2	...	...	4	1	1.4
	United Kingdom	...	...	...	...	...	...
Tube rounds and tube billets	United States	...	...	...	...	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	2,387	116	64.8	4,788	191	68.1
	United Kingdom	6	24	4.5	107	24	11.1
	Belgium	...	...	...	27	...	...
	Sweden	...	...	...	2	...	...
Hot rolled -							
For agricultural implements	United States	578	...	...	1,043	...	...
Rounds over 4 $\frac{1}{2}$ ", squares over 4" .	United States	28	9	...	103	10	...
	United Kingdom	8	...	...	26	...	.3
	Belgium	...	...	...	...	...	...
Angles, channels, etc.	United States	105	...	4.3	120	1	8.3
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	1	...	...
	United Kingdom	...	...	...	...	...	...
Structurals (bar sizes) for agri- cultural implements	United States	168	...	...	266	...	...
Sash or casement sections	United States	232	...	...	312	...	...
	Belgium	...	...	...	11	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February, 1950 and Year to Date (Continued)

Commodity	Country of origin	February, 1950			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and Sections - (Concluded)							
Cold rolled, n.o.p.	United States	190	2	.5	526	5	7.2
	United Kingdom	1	...	3.2	7	...	7.5
	Germany	...	...	...	...	...	...
Cold rolled, for agricultural implements	United States	555	22	...	1,236	22	...
Tool steel	United States	4	27	...	6	59	...
	United Kingdom	99	24	...	181	33	...
	Belgium	...	...	...	...	...	...
Structurals	United States	12,552	...	2.1	23,870	...	2.1
	United Kingdom	231	...	...	416	...	...
	Belgium	110	...	...	110	...	...
	France	...	...	...	...	...	...
Plates -							
78" and under in width	United States	206	14	9.9	643	17	17.9
	United Kingdom	...	...	2.4	483	...	3.8
	Belgium	...	...	...	...	...	...
	Holland	...	...	...	...	...	...
Over 78" and under 100" in width ...	United States	170	61	...	501	283	...
	United Kingdom	265	...	...	495	...	...
100" in width and over	United States	141	...	...	401	...	...
	United Kingdom	...	...	...	25	...	...
Flanged, dished or curved	United States	163	...	...	330	...	...
Boiler, pulp-mill digesters	United States	202	...	...	668	...	5.4
	United Kingdom	...	...	...	...	...	...
Chequered or surface pattern	United States	194	...	...	617	...	...
	United Kingdom	104	...	...	104	...	...
Painted	United States	2	...	...	3	...	...
For saws	United States	...	...	...	...	...	...
For tubes	United States	...	...	...	...	...	...
Sheets -							
Silicon .075 or more	United States	...	1,501	...	...	2,996	...
	United Kingdom	...	74	...	...	178	...
Galvanized	United States	831	...	...	1,736	...	...
	United Kingdom	635	...	...	984	...	...
Hot rolled -							
18 gauge and heavier	United States	1,891	...	38.0	4,492	8	52.5
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	United Kingdom	199	...	38.3	264	...	82.6
Lighter than 18 gauge	United States	175	3	18.6	352	3	31.5
	Belgium	...	...	...	...	...	...
	United Kingdom	203	...	.3	390	...	6.6
Hot rolled -							
For hollow ware (vitreous enamel)	United States	26	...	...	26	...	...
	United Kingdom	...	...	...	...	...	...
Corrugated	United States	354	...	...	623	...	...
	United Kingdom	...	...	...	18	...	...
Coated with paint, tar, asphaltum, etc.	United States	38	...	...	170	...	...
For saws	United States	59	65	...	62	104	...
	United Kingdom	...	...	...	...	...	...
For cold rolled strip	United States	...	...	...	...	...	...
Shaped for agricultural implements	United States	55	...	...	343	24	...
For tubes	United States	...	...	...	...	...	...
For galvanizing	United States	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February, 1950 and Year to Date (Continued)

Commodity	Country of origin	February, 1950			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets - (concluded)							
Cold rolled -							
18 gauge and heavier	United States	454	...	94.2	1,509	...	178.4
	United Kingdom	...	...	...	...	...	...
Lighter than 18 gauge	United States	1,126	...	98.2	3,279	...	146.4
	United Kingdom	...	...	...	12	...	...
For hollow ware (vitreous enamel)	United States	791	...	...	1,351	...	...
	United Kingdom	91	...	...	123	...	...
Black plate - Tin mill	United States	...	...	...	33	...	...
Coated with paint, tar, asphaltum, etc.	United States	8	...	...	46	...	...
For heating apparatus	United States	...	...	...	12	...	...
For saws	Sweden	...	3	...	...	3	...
	United States	1	3	...	1	3	...
For shoe and corset laces	United States	...	...	...	...	...	...
For tubes	United States	252	...	...	910	...	...
For tubular products	United States	...	...	...	...	...	...
For butt hinges	United States	...	...	...	...	...	...
Black plate - For tinning	United States	...	...	...	...	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	...	...	...	...	...	...
Slabs for conversion to tin plate ..	United States	...	...	...	...	...	...
Tin plate - Primes	United States	48	...	...	94	...	...
	United Kingdom	10	...	...	11	...	...
Electrolytic (25#)	United States	20	...	...	35	...	...
(50#)	United States	...	...	...	...	...	...
Waste waste	United States	...	...	...	...	...	...
Terne plate - Long	United States	394	...	...	830	...	...
Short	United States	120	...	...	146	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	841	1	3.2	1,918	1	5.1
	Belgium	...	...	...	50	...	...
	United Kingdom	34	1	...	313	1	...
Lighter than 18 gauge	United States	102	...	14.8	335	...	48.7
For cold rolling	United States	101	...	...	196	...	...
Painted	United States	525	...	...	861	...	...
	United Kingdom	...	...	...	10	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	21	...	...	70	...	...
For saws	United States	6	53	...	15	86	...
	United Kingdom	...	...	...	...	8	...
For motor vehicles	United States	885	...	...	2,772	...	...
For hoops	United States	83	...	...	266	...	...
	United Kingdom	17	...	...	129	...	...
For tubes	United States	...	...	...	...	...	...
For tubular products	United States	51	...	...	56	...	...
For butt hinges	United States	...	...	...	4	...	...
Silicon .075 or more	United States	...	279	...	...	455	...
Cold rolled -							
18 gauge and heavier	United States	435	2	34.9	703	6	64.1
	Belgium	...	...	...	19	...	...
Lighter than 18 gauge	United States	634	...	137.7	1,013	...	191.6
	Sweden	20	...	...	34	...	...
	United Kingdom	...	...	...	7	...	...
Painted	United States	71	...	...	250	...	...
	Germany	18	...	...	18	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	5	...	...	39	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February, 1950 and Year to Date (Continued)

Commodity	Country of origin	February, 1950			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (concluded)							
Cold rolled -							
For saws	United States	...	5	...	...	8	...
	Sweden	...	...	...	...	...	...
For tubes	United States	486	...	...	522	...	...
For tubular products	United States	183	...	...	233	...	...
For butt hinges	United States	30	...	...	141	...	...
	Sweden	...	...	...	...	...	...
Silicon .075 or more	United States	...	1	...	...	356	...
Galvanized strip	United States	409	...	...	955	...	...
Skelp -							
15 ³ / ₈ " and under in width	United States	9,849	...	...	23,008	...	...
8	United Kingdom	58	...	...	58	...	...
	Belgium	3,349	...	...	3,349	...	...
Over 15 ³ / ₈ " in width	United States	105	...	...	2,064	...	...
Pipes and tubes -							
Cast	United States	15	...	...	37	...	...
	United Kingdom	1,377	...	...	2,487	...	...
Bedstead	United States	42	...	...	96	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	135	30	...	483	104	...
	United Kingdom	...	...	...	...	...	...
Cold drawn	United States	...	...	...	42	22	...
	United Kingdom	5	...	...	5	...	...
	United States	...	...	...	70	...	...
Welded	United States	...	...	...	...	...	...
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	...	...	...
Cold drawn	United States	...	...	...	...	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	299	5	11.7	636	13	25.2
	United Kingdom	28	6	...	44	6	...
	Sweden	...	...	...	...	...	...
Hot finished	United States	161	186	...	774	281	.3
	United Kingdom	...	...	...	45	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	13	...	28.1	146	...	28.1
	United Kingdom	...	...	...	712	...	...
Welded, 4" and under in diameter	United States	603	...	1.2	1,002	...	5.6
	United Kingdom	160	...	...	349	...	...
	Occupied Japan	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
Welded, over 4" in diameter	United States	5,222	...	...	8,382	...	...
	United Kingdom	...	...	...	...	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	22	...	...	65	...	...
Special welded	United States	41	...	...	214	...	...
Casings	United States	2,232	...	...	6,762	...	...
	France	...	...	...	...	...	...
	United Kingdom	...	...	...	21	...	...
Fittings and couplings	United States	229	...	.8	452	...	1.5
	United Kingdom	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date (Continued)

		February, 1950			Year to Date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wire rope	United States	74	...	...	175	...	.1
	United Kingdom	2	...	...	20	...	...
Wire -							
For wire rope	United States	512	...	...	1,414	...	...
	United Kingdom	440	...	...	775	...	...
For corset laces, steels, etc. .	United States	12	...	...	25	...	...
	United Kingdom	...	...	...	1	...	...
For spring mattress, etc.	United States	185	...	...	314	...	...
For fencing, galvanized	United States	...	...	...	1	...	...
Wire cloth and netting	United States	99	...	.3	101	...	.7
	United Kingdom	48	...	...	48	...	...
Wire, coated	United States	49	...	...	134	...	...
	United Kingdom	...	...	...	...	...	...
Wire -- All other	United States	286	9	1.2	709	11	6.4
	United Kingdom	17	...	...	17	...	...
	Germany	...	...	...	...	...	...
	France	...	...	...	...	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	1	...	...	29	...	...
	Germany	...	...	...	54	...	...
	Sweden	...	...	...	23	...	...
	France	100	...	...	100	...	...
Welding wire and welding rods	United States	70	11	6.2	83	13	14.6
Castings -							
For agricultural implements	United States	135	...	...	353	...	...
For ingot moulds	United States	959	...	...	1,779	...	...
Malleable	United States	31	...	...	83	...	...
	United Kingdom	...	...	...	...	...	...
Non-malleable	United States	322	...	...	397	...	...
Steel	United States	18	15	...	45	15	.7
	Norway	48	...	...	48	...	...
For railway vehicles	United States	28	...	...	140	...	...
Rolls	United States	158	...	...	310	11	...
	United Kingdom	26	177	...	26	177	...
Piston rings (rough)	United States	26	...	...	74	...	...
Forgings	United States	73	87	...	236	115	...
	United Kingdom	...	2	...	39	67	...
Axles - For railway vehicles	United States	10	...	...	48	...	...
Wheels -							
For railway rolling stock	United States	21	...	...	66	...	...
	United Kingdom	40	...	...	53	...	...
Tires -							
For railway rolling stock	United States	16	...	...	269	...	...
	United Kingdom	...	...	...	...	...	...
Rails -							
60 lb. and under	United States	2	...	...	5	...	...
Over 60 lb. and including 100 lb.	United States	61	...	...	214	...	...
Over 100 lb.	United States	...	...	...	...	...	...
Grooved for electric tramways ...	United States	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date (Concluded)

Commodity	Country of origin	February, 1950			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Track material -							
Angles, bars, tie plates, rail joints	United States	100	...	...	137	...	...
	United Kingdom	...	...	...	...	...	...
Intersections, switches, frogs ..	United States	5	...	...	10	...	...
Total Imports	United States	51,964	2,593	570.7	113,585	5,310	911.9
	All other	7,749	311	48.7	12,651	497	111.9
TOTAL		59,713	2,904	619.4	126,236	5,807	1,023.8

Table 15 - Exports of Primary Iron and Steel, February, 1950 and Year to Date

	February, 1950	Year to Date
(Tons of 2,000 pounds)		
Pig iron	14,333	19,533
Ingots, blooms and billets	5,578	15,899
Bars	1,640	2,234
Rods	31	31
Plates, sheets and strips	1,746	3,271
Rails	1,105	11,119
Structural shapes	130	184
Pipe and tubing - Wrought iron ...	4	42
Cast iron	84	366
Galvanized	2,013	2,023
Other	6	7
Castings, iron and steel	302	538
Forgings	46	78



DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

OTTAWA

UNIVERSITY OF TORONTO

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28
Vol. 5-No. 3

Price 25 cents

PRIMARY IRON AND STEELMARCH - 1950

Pig Iron - Production of pig iron in Canada amounted to 174,944 tons in March compared with 202,130 tons in the corresponding month of last year. The total for the current month included 142,064 tons of basic iron, 17,912 tons of foundry iron and 14,968 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in March amounted to 17,157 tons compared with 9,652 tons in the previous month and with 22,457 tons in March of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during March totalled 294,303 tons compared with 298,461 tons in March of last year. Output in the month under review included 287,719 tons of ingots and 6,584 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During February and March, 1950

	<u>F e b r u a r y</u>			<u>M a r c h</u>		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	121,731	1,687	123,418	141,856	208	142,064
Foundry	150	8,151	8,301	242	17,670	17,912
Malleable .....	...	25,481	25,481	121	14,847	14,968
Total Pig Iron ...	121,881	35,319	157,200	142,219	32,725	174,944
<u>Ferro-alloys</u> - .....	...	9,652	9,652	...	17,157	17,157

Table 2 - Cumulative Production for the Three Months Ended March, 1949 and 1950

	<u>1 9 4 9</u>			<u>1 9 5 0</u>		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	433,553	27,094	460,647	405,130	11,755	416,885
Foundry	506	53,800	54,306	732	47,326	48,058
Malleable .....	...	42,975	42,975	223	57,410	57,633
Total Pig Iron ...	434,059	123,869	557,928	406,085	116,491	522,576
<u>Ferro-alloys</u> - .....	...	66,101	66,101	...	36,770	36,770

Table 3 - Iron Blast Furnace Charges During February and March, 1950 and Three Months Ended March, 1950

	<u>February</u>	<u>March</u>	<u>Three months ended</u>
	<u>1950</u>	<u>1950</u>	<u>March, 1950</u>
	(Net tons of 2,000 pounds)		
Iron ore	295,524	319,990	953,246
Mill cinder, scale, sinter, etc.	30,606	25,846	93,973
Limestone	54,602	66,596	189,894
Dolomite	15,627	10,508	39,570
Coke	151,032	164,017	493,963
Scrap iron and steel	4,925	6,051	18,299

NOTE:- This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at End of March, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	per cent
In blast	10	2,314,950	84.3
Banked	1	120,000	4.3
Blown out	3	310,050	11.4
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During February and March, 1950

	F e b r u a r y			M a r c h		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	202,005	10,881	212,886	234,490	9,241	243,731
Electric	33,035	5,969	39,004	38,505	5,483	43,988
Total Steel Ingots ...	235,040	16,850	251,890	272,995	14,724	287,719
Alloy steel ingots included in above	15,998	...	15,998	22,597	...	22,597
<u>Steel Castings</u>						
Open hearth - Basic	161	1,881	2,042	216	1,352	1,568
Converter	1	...	1	2	...	2
Electric	1,262	2,928	4,190	1,330	3,684	5,014
Total Steel Castings .	1,424	4,809	6,233	1,548	5,036	6,584
Alloy steel castings included in above	610	965	1,575	647	1,001	1,648
TOTAL INGOTS AND CASTINGS..	236,464	21,659	258,123	274,543	19,760	294,303

Table 7 - Cumulative Production for the Three Months Ended March, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	660,361	49,073	709,434	663,505	32,491	695,996
Electric	103,417	30	103,447	107,853	19,654	127,507
Total Steel Ingots ...	763,778	49,103	812,881	771,358	52,145	823,503
Alloy steel ingots included in above	39,573	...	39,573	51,343	...	51,343

Primary Iron and Steel

- 3 -

Table 7 - Cumulative Production for the Three Months Ended March, 1949 and 1950 (concluded)

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Castings</u>						
Open hearth - Basic	662	7,706	8,368	532	5,141	5,673
Converter	4	18	22	3	4	7
Electric	3,792	17,376	21,168	3,699	9,493	13,192
Total Steel Castings .	4,458	25,100	29,558	4,234	14,638	18,872
Alloy steel ingots included in above	1,661	2,821	4,482	1,784	2,502	4,286
TOTAL INGOTS AND CASTINGS..	768,236	74,203	842,439	775,592	66,783	842,375

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During February and March, 1950 and Three Months Ended March, 1950

	February 1950	March 1950	Three months ended March, 1950
	(Net tons of 2,000 pounds)		
Pig iron	124,518	140,528	406,200
Scrap - Own make	73,129	88,716	246,117
Purchased	83,297	68,204	239,785

Table 9 - Steel Furnace Capacity at End of March, 1950

	Annual Capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

Monthly Production of Pig Iron, Ferro-alloys and Steel, 1947 and 1950					
Month	Pig Iron	Ferro-alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,368	97,562	3,186,930
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,602	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
Total - Three Months	522,576	36,720	823,503	18,872	842,375

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 358,956 net tons in March, 1950 compared with 198,347 tons in February, 1950. The March shipments included 31,309 tons of semi-finished shapes, 12,201 tons of structurals, 16,371 tons of plates, 30,294 tons of rails, 10,120 tons of tie plates and track material, 59,300 tons of hot rolled bars, 21,232 tons of pipes and tubes, 24,753 tons of wire rods, 67,061 tons of black sheets, 9,307 tons of galvanized sheets, 5,991 tons of castings, and 35,448 tons of other rolled products. The amount of producers' interchange was 111,798 tons in March as against 114,248 tons in February.

Of the amounts shipped for sale during March, 48,809 tons went direct to railways and railway car shops; 17,781 tons went to pressing, forming and stamping plants; 30,793 tons to merchant trade products; 30,433 tons to building construction; 18,768 tons to the containers industry; 13,543 tons to agricultural equipment; 18,307 tons to the automotive industry; 10,203 tons to machinery plants; 3,084 tons to shipbuilding; 11,548 tons to mining, lumbering, etc., and 1,232 tons to miscellaneous industries; wholesalers and warehousing accounted for 26,758 tons, and exports for 14,252 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 111,798 tons in March, 1950.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, March, 1950

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Net tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	14,523	13,939	8,625
Other semi-finished shapes, not for re-rolling by makers	34,021	31,309	25,991
Structural shapes and piling	12,949	12,201	...
Plates	15,530	16,242	...
Rails	32,539	30,294	...
Tie plates and track material - Splice bars ...	3,281	3,140	...
Tie plates	5,608	5,355	..
Spikes	1,604	1,625	...
Concrete reinforcing bars	5,891	6,036	...
Hot rolled bars for cold finishing	965	908	908
Other hot rolled bars	44,651	47,930	10,514
Pipes and tubes	21,930	21,232	...
Wire rods	23,819	24,607	74
Hot rolled black sheets	51,486	50,402	39,106
Cold reduced black sheets	16,392	16,659	1,671
Galvanized sheets	8,740	9,307	...
Steel castings	4,758	4,361	...
Miscellaneous hot rolled products	28,525	29,225	24,834
All other products	20,548	20,520	...
Total - Carbon Steel	347,760	345,292	111,723

Alloy Steel

Billets, etc., for forging	832	831	...
Other semi-finished shapes, not for re-rolling by makers .....	...	...	...
Structural shapes and piling .....	...	...	...
Plates	210	129	...
Rails .....	...	...	...
Tie plates and track material - Splice bars ...	...	...	...
Tie plates ....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	10,608	10,462	79
Pipes and tubes .....	...	...	...
Wire rods	143	146	...

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, March, 1950 (concluded)

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Net tons of 2,000 pounds)			
<u>Alloy Steel</u> (concluded)			
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,680	1,630	...
Miscellaneous hot rolled products	229	187	...
All other products	299	279	...
Total - Alloy Steel	14,001	13,664	75

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Three Months Ended March, 1950

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Net tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	41,132	21,528	26,586
Other semi-finished shapes, not for re-rolling by makers	102,569	40,543	81,640
Structural shapes and piling	36,616	32,985	...
Plates	40,885	41,231	...
Rails	89,006	88,814	...
Tie plates and track material - Splice bars ...	5,270	5,079	...
Tie plates	11,695	11,218	...
Spikes	4,264	4,569	...
Concrete reinforcing bars	17,225	16,413	...
Hot rolled bars for cold finishing	2,316	908	2,299
Other hot rolled bars	122,882	109,132	22,173
Pipes and tubes	54,902	49,071	1
Wire rods	71,229	71,442	236
Hot rolled black sheets	142,462	73,269	103,855
Cold reduced black sheets	46,520	44,511	5,278
Galvanized sheets	24,465	24,050	...
Steel castings	13,566	12,899	...
Miscellaneous hot rolled products	85,333	34,718	74,424
All other products	57,913	57,259	1
Total - Carbon Steel	970,250	739,639	316,493

Alloy Steel

Billets, etc., for forging	1,938	1,674	...
Other semi-finished shapes, not for re-rolling by makers	1,489	...	1,489
Structural shapes and piling .....	...	...	...
Plates	354	274	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	21,917	21,117	127
Pipes and tubes .....	...	...	...
Wire rods	258	256	...
Steel castings	4,770	4,559	...
Miscellaneous hot rolled products	516	579	...
All other products	611	636	1
Total Alloy Steel	31,853	29,095	1,617

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, March and Year to Date, 1950

	March, 1950		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	9,315	8,992	24,562	19,264
Agricultural, including farm machinery .	13,408	135	36,164	244
Building construction	30,319	114	77,525	203
Containers industry	18,766	2	53,962	5
Machinery and tools	9,511	692	26,989	1,901
Merchant trade products	30,471	322	83,299	783
Mining, lumbering, etc.	10,821	727	25,426	1,884
National defence	92	4	511	26
Pressing, forming and stamping	17,704	77	55,284	224
Public works and utilities	1,485	66	3,131	132
Railway operating	45,458	244	116,720	487
Railway cars and locomotives	2,922	185	7,653	286
Shipbuilding	3,053	31	8,347	66
Miscellaneous and unclassified	1,128	104	3,141	263
Wholesalers and warehouses	26,639	119	68,650	311
Direct export (a) to British Empire	171	22	7,511	75
(b) to other countries ...	12,306	1,753	29,041	2,866
Total Shipped for Sale	233,569	13,589	627,916	29,020
Producers' interchange	111,723	75	316,493	1,617

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1950 and Year to Date

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1950 and Year to Date							
Commodity	Country of origin	March, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	51	...	...	51	...	...
	United Kingdom	56	...	...	56	...	...
Foundry	United States	...	...	...	...	...	...
	United Kingdom	...	...	...	...	...	...
Malleable	United States	...	...	...	172	...	...
Silvery	United States	...	...	...	...	...	...
Charcoal	United States	...	...	...	...	...	...
Special	Germany	...	...	...	...	...	...
Ingots	United States	113	34	...	308	120	...
Billets, blooms, slabs and sheet bars	United States	...	86	...	4	87	1.4
	United Kingdom	...	...	...	...	...	...
Tube rounds and tube billets	United States	...	...	...	...	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	2,529	103	3.7	7,317	294	71.8
	United Kingdom	10	3	11.7	117	27	22.8
	Belgium	291	...	...	318	...	...
	Sweden	...	...	...	2	...	...
Hot rolled -							
For agricultural implements	United States	153	...	...	1,196	...	...
	United Kingdom	36	...	...	36	...	...
Rounds over 4 $\frac{7}{8}$ " , squares over 4".	United States	53	3	...	156	13	...
	United Kingdom	4	4	.4	30	4	.7
	Belgium	...	...	...	...	...	...
Angles, channels, etc.	United States	256	...	3.0	376	1	11.3
	Germany	11	...	...	11	...	...
	Belgium	45	...	...	46	...	...
	United Kingdom	...	...	...	...	...	...
Structurals (bar sizes) for agri- cultural implements	United States	24	...	...	290	...	...
Sash or casement sections	United States	99	...	...	411	...	...
	Belgium	...	...	...	11	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1950 and Year to Date (Continued)

Commodity	Country of origin	March, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and Sections - (concluded)							
Cold rolled, n.o.p.	United States	331	4	2.6	857	9	9.8
	United Kingdom	...	...	.4	7	...	7.9
	Germany	...	...	...	...	...	...
Cold rolled, for agricultural implements	United States	653	52	...	1,889	74	...
Tool steel	United States	7	42	...	13	101	..
	United Kingdom	179	32	...	360	65	...
	Belgium	...	...	...	...	...	...
Structurals	United States	11,392	...	.3	35,262	...	2.4
	United Kingdom	289	...	...	705	...	...
	Belgium	45	...	...	155	...	...
	France	...	...	...	...	...	...
Plates -							
78" and under in width	United States	921	...	18.3	1,564	17	36.2
	United Kingdom	194	4	1.4	677	4	5.2
	Belgium	...	...	...	...	...	...
	Holland	...	...	...	...	...	...
Over 78" and under 100" in width ..	United States	690	...	3.4	1,191	283	3.4
	United Kingdom	897	5	...	1,392	5	...
100" in width and over	United States	376	...	...	777	...	...
	United Kingdom	...	...	...	25	...	...
Flanged, dished or curved	United States	97	...	...	427	...	...
Boiler, pulp-mill digesters	United States	213	...	...	879	...	5.4
	United Kingdom	...	...	...	...	...	...
Chequered or surface pattern	United States	190	...	...	807	...	...
	United Kingdom	...	...	...	104	...	...
Painted	United States	2	...	...	5	...	...
For saws	United States	...	...	...	...	...	...
For tubes	United States	...	...	...	...	...	...
Sheets -							
Silicon .075 or more	United States	...	1,998	...	...	4,994	...
	United Kingdom	...	237	...	...	415	...
Galvanized	United States	863	...	...	2,599	...	...
	United Kingdom	535	...	...	1,519	...	...
Hot rolled -							
18 gauge and heavier	United States	2,110	4	38.3	6,602	12	90.8
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	United Kingdom	...	...	34.7	264	...	117.3
Lighter than 18 gauge	United States	66	...	11.4	418	3	42.9
	Belgium	...	...	...	...	...	...
	United Kingdom	...	...	.2	390	...	6.8
For hollow ware (vitreous enamel)	United States	...	...	...	26	...	...
	United Kingdom	...	...	...	...	...	...
Corrugated	United States	555	...	...	1,178	...	...
	United Kingdom	...	...	...	18	...	...
Coated with paint, tar, asphaltum, etc.	United States	147	...	...	317	...	...
For saws	United States	15	49	...	77	153	...
	United Kingdom	...	4	...	...	4	...
For cold rolled strip	United States	74	...	...	74	...	...
Shaped for agricultural implements	United States	84	...	...	427	24	...
For tubes	United States	...	...	...	...	...	...
Cold rolled -							
18 gauge and heavier	United States	643	...	80.6	2,152	...	259.0
	United Kingdom	51	...	...	51	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1950 and Year to Date (Continued)

Commodity	Country of origin	March, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Cold rolled -							
Lighter than 18 gauge	United States	1,347	...	96.3	4,626	...	242.7
	United Kingdom	...	...	...	12	...	...
For hollow ware (vitreous enamel)	United States	720	...	...	2,071	...	...
	United Kingdom	...	...	...	123	...	...
Black plate - Tin mill	United States	...	...	...	33	...	...
Coated with paint, tar, asphaltum, etc.	United States	62	...	...	108	...	...
For heating apparatus	United States	21	...	...	33	...	...
For saws	United States	...	5	...	1	8	...
	Sweden	...	...	...	...	3	...
For tubes	United States	677	...	...	1,587	...	...
For tubular products	United States	...	...	...	...	...	...
For butt hinges	United States	...	...	...	...	...	...
Black plate - For tinning	United States	...	...	...	...	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	...	...	...	...	...	...
Slabs for conversion to tin plate .							
	United States	...	...	...	...	...	...
Tin plate - Primes	United States	39	...	...	133	...	...
	United Kingdom	39	...	...	50	...	...
Electrolytic (25#)	United States	21	...	...	56	...	...
(50#)	United States	...	...	...	...	...	...
Waste waste	United States	...	...	...	...	...	...
Terne plate - Long							
	United States	524	...	...	1,354	...	...
Short	United States	197	...	...	343	...	...

Strip -

Hot rolled -

18 gauge and heavier	United States	1,107	8	.4	3,025	9	5.5
	Belgium	52	...	...	102	...	...
	United Kingdom	125	...	...	438	1	...
Lighter than 18 gauge	United States	156	...	6.5	491	...	55.2
For cold rolling	United States	133	...	...	329	...	...
Painted	United States	292	...	...	1,153	...	...
	United Kingdom	...	...	...	10	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	90	...	...	160	...	...
For saws	United States	14	17	...	29	103	...
	United Kingdom	...	2	...	...	10	...
For motor vehicles	United States	1,511	...	...	4,283	...	...
For hoops	United States	33	...	...	299	...	...
	United Kingdom	61	...	...	190	...	...
For tubes	United States	...	...	...	...	...	...
For tubular products	United States	...	...	...	56	...	...
Silicon .075 or more	United States	...	237	...	...	692	...
For butt hinges	United States	...	...	...	4	...	...
Cold rolled -							
18 gauge and heavier	United States	274	2	46.3	977	8	110.4
	United Kingdom	7	...	...	7	...	...
	Belgium	...	...	...	19	...	...
	Sweden	...	...	.2	...	...	.2
Lighter than 18 gauge	United States	473	...	109.9	1,486	...	301.5
	Sweden	29	...	...	63	...	...
	United Kingdom	...	...	.3	7	...	.3
Painted	United States	121	...	...	371	...	...
	Germany	...	...	...	18	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	68	...	...	107	...	...
For saws	United States	...	6	...	14	...	...
	Sweden	...	4	...	...	4	...

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1950 and Year to Date (Continued)

Commodities	Country of origin	March, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip - (concluded)							
Cold rolled -							
For tubes	United States	278	...	...	800	...	...
For tubular products	United States	114	...	...	347	...	...
For butt hinges	United States	138	...	...	279	...	...
Silicon .075 or more	United States	...	213	...	...	569	...
Galvanized strip	United States	608	...	...	1,563	...	...
	United Kingdom	2	...	...	2	...	...
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	4,239	...	...	27,247	...	...
	United Kingdom	232	...	...	290	...	...
	Belgium	224	...	...	3,573	...	...
Over 15 $\frac{3}{8}$ " in width	United States	48	...	...	2,112	...	...
Pipes and Tubes -							
Cast	United States	23	...	...	60	...	...
	United Kingdom	282	...	...	2,769	...	...
Bedstead	United States	...	...	...	96	...	...
Repair of pressure parts of boilers - Hot finished	United States	220	2	...	703	106	...
	United Kingdom	1	...	...	1	...	...
Cold drawn	United States	391	9	...	433	31	...
	United Kingdom	23	...	...	28	...	...
Welded	United States	72	...	...	142	...	...
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	...	...	...
Cold drawn	United States	...	...	...	...	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	284	21	21.2	920	34	46.4
	United Kingdom	17	...	4.8	61	6	4.8
	Sweden	...	...	...	...	...	...
Hot finished	United States	239	157	...	1,013	438	3
	United Kingdom	...	...	...	45	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	22	32	...	168	32	28.1
	United Kingdom	379	...	...	1,091	...	...
Welded, 4" and under in diameter ..	United States	550	...	1.7	1,552	...	7.3
	United Kingdom	194	...	...	543	...	...
	Occupied Japan	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
Welded, over 4" in diameter	United States	8,080	...	...	16,462	...	...
	United Kingdom	6	...	...	6	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	41	...	...	106	...	...
Casings	United States	620	...	...	7,382	...	...
	France	...	...	...	...	...	...
	United Kingdom	...	...	...	21	...	...
Fittings and couplings	United States	250	...	3.8	702	...	5.3
	United Kingdom	...	...	...	...	...	...
Spiral welded	United States	167	...	...	381	...	...
Wire rope							
	United States	50	...	.2	225	...	.3
	United Kingdom	63	...	...	83	...	...
	Germany	27	...	...	27	...	...
Wire -							
For wire rope	United States	5023	1,9163
	United Kingdom	494	1,269

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, March, 1950 and Year to Date (Concluded)

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1950 and Year to Date (Concluded)							
Commodities	Country of origin	March, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wire - (concluded)							
For corset laces, steels, etc.	United States	4	...	...	29	...	...
	United Kingdom	...	...	...	1	...	...
For spring mattress, etc.	United States	443	...	...	757	...	...
For fencing, galvanized	United States	...	...	...	1	...	...
Wire cloth and netting	United States	67	4	.3	168	4	1
	United Kingdom	15	...	...	63	...	...
Wire, coated	United States	27	...	...	161	...	...
	United Kingdom	...	...	...	...	...	...
Wire -- All other	United States	226	...	4.4	935	11	10.8
	United Kingdom	1	...	...	18	...	...
	Germany	1	...	...	1	...	...
	France	...	...	...	...	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter ..	United States	...	...	...	29	...	...
	Germany	...	...	...	54	...	...
	Sweden	...	...	...	23	...	...
	France	...	...	...	100	...	...
	Belgium	560	...	...	560	...	...
Welding wire and welding rods	United States	90	71	4.4	173	84	19.0
Castings -							
For agricultural implements	United States	226	...	...	579	...	...
For ingot moulds	United States	1,790	...	...	3,569	...	...
Malleable	United States	39	...	...	122	...	...
Non-malleable	United States	249	...	...	646	...	...
Steel	United States	27	30	...	72	45	.7
	Norway	36	...	7.0	84	...	7.0
For railway vehicles	United States	...	...	...	140	...	...
Rolls	United States	165	88	...	475	99	...
	United Kingdom	...	...	...	26	177	...
Piston rings (rough)	United States	23	...	...	97	...	...
Forgings							
	United States	84	40	...	320	155	...
	United Kingdom	1	...	...	40	67	...
Axles - For railway vehicles	United States	...	...	...	48	...	...
Wheels - For railway rolling stock ..	United States	43	...	...	109	...	...
	United Kingdom	191	...	...	244	...	...
Tires -							
For railway rolling stock	United States	42	...	...	311	...	...
	United Kingdom	...	...	...	...	...	...
Rails -							
60 lb. and under	United States	5	...	...	10	...	...
Over 60 lb. and including 100 lb...	United States	112	...	...	326	...	...
Over 100 lb.	United States	12	...	...	12	...	...
Grooved for electric tramways	United States	...	...	...	...	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	53	...	...	190	...	...
	United Kingdom	...	...	...	...	...	...
Intersections, switches, frogs	United States	29	...	...	39	...	...
Total Imports	United States	51,286	3,317	457.3	164,871	8,617	1,369.2
	All other	5,698	295	61.1	18,349	792	173.0
TOTAL		56,984	3,612	518.4	183,220	9,409	1,542.2

Table 15 - Exports of Primary Iron and Steel, March, 1950 and Year to Date

	March, 1950	Year to Date
	(Tons of 2,000 pounds)	
Pig iron	17,880	37,413
Ingots, blooms and billets	8,540	24,439
Bars	2,152	4,386
Rods	23	54
Plates, sheets and strips	3,049	6,320
Rails .....	...	11,119
Structural shapes	62	246
Pipe and tubing - Wrought iron .....	...	42
Cast iron	166	533
Galvanized	354	2,378
Other	74	81
Castings, iron and steel	295	833
Forgings	120	198

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DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

OTTAWA

UNIVERSITY OF TORONTO

DEPT. OF POLITICAL ECONOMY

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28

Vol.5-No.4

Price 25 cents

PRIMARY IRON AND STEELAPRIL - 1950

Pig Iron - Production of pig iron in Canada amounted to 185,259 tons in April compared with 180,740 tons in the corresponding month of last year. The total for the current month included 139,713 tons of basic iron, 17,452 tons of foundry iron and 28,094 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in April amounted to 14,627 tons compared with 17,157 tons in the previous month and with 24,427 tons in April of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during April totalled 279,320 tons compared with 260,319 tons in April of last year. Output in the month under review included 272,936 tons of ingots and 6,384 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During March and April, 1950

	M a r c h			A p r i l		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig Iron</u> -						
Basic	141,856	208	142,064	139,487	226	139,713
Foundry	242	17,670	17,912	120	17,332	17,452
Malleable	121	14,847	14,968	...	28,094	28,094
Total Pig Iron ...	142,219	32,725	174,944	139,607	45,652	185,259
<u>Ferro-alloys</u> - .....	...	17,157	17,157	...	14,627	14,627

Table 2 - Cumulative Production for the Four Months Ended April, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig Iron</u> -						
Basic	575,022	30,711	605,733	544,617	11,981	556,598
Foundry	709	77,778	78,487	852	64,658	65,510
Malleable .....	...	54,448	54,448	223	85,504	85,727
Total Pig Iron ...	575,731	162,937	738,668	545,692	162,143	707,835
<u>Ferro-alloys</u> - .....	...	90,528	90,528	...	51,397	51,397

Table 3 - Iron Blast Furnace Charges During March and April, 1950 and Four Months Ended April, 1950

	March 1950	April 1950	Four months ended April, 1950
	(Net tons of 2,000 pounds)		
Iron ore	319,990	339,547	1,292,793
Mill cinder, scale, sinter, etc. ..	25,846	23,534	117,507
Limestone	66,596	72,374	262,268
Dolomite	10,508	11,665	51,235
Coke	164,017	176,388	673,351
Scrap iron and steel	6,051	7,550	25,849

Note: This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at End of April, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	per cent
In blast	11	2,434,950	88.7
Banked .....	...	...	...
Blown out	3	310,050	11.3
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During March and April, 1950

	March, 1950			April, 1950		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	234,490	9,241	243,731	220,510	9,909	230,419
Electric	38,505	5,483	43,988	35,158	7,359	42,517
Total Steel Ingots	272,995	14,724	287,719	255,668	17,268	272,936
Alloy steel ingots included in above	22,597	...	22,597	15,801	...	15,801
<u>Steel Castings</u>						
Open hearth - Basic	216	1,352	1,568	163	1,427	1,590
Converter	2	...	2	1	6	7
Electric	1,330	3,684	5,014	1,220	3,567	4,787
Total Steel Castings ..	1,548	5,036	6,584	1,384	5,000	6,384
Alloy steel castings included in above	647	1,001	1,648	615	1,128	1,743
TOTAL INGOTS AND CASTINGS .	274,543	19,760	294,303	257,052	22,268	279,320

Table 7 - Cumulative Production for The Four Months Ended April, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	877,486	59,486	936,972	884,015	42,400	926,415
Electric	136,198	30	136,228	143,011	27,013	170,024
Total Steel Ingots	1,013,684	59,516	1,073,200	1,027,026	69,413	1,096,439
Alloy steel ingots included in above	53,660	...	53,660	67,144	...	67,144

Primary Iron and Steel

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Table 7 - Cumulative Production for the Four Months Ended April, 1949 and 1950 (Concluded)

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Castings</u>						
Open hearth - Basic	895	10,166	11,061	695	6,568	7,263
Converter	5	33	38	4	10	14
Electric	4,915	23,193	28,108	4,919	13,060	17,979
Total Steel Castings ..	5,815	33,392	39,207	5,618	19,638	25,256
Alloy steel castings included in above	2,155	3,674	5,829	2,399	3,630	6,029
TOTAL INGOTS AND CASTINGS ..	1,019,499	92,908	1,112,407	1,032,644	89,051	1,121,695

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During March and April, 1950 and Four Months Ended April, 1950

	March 1950	April 1950	Four months ended April, 1950
(Net tons of 2,000 pounds)			
Pig iron	140,528	138,606	544,806
Scrap - Own make	88,718	81,942	328,059
Purchased	88,204	82,632	322,417

Table 9 - Steel Furnace Capacity at End of April, 1950

	Annual capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

Month	Pig Iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,368	97,562	3,186,930
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
Total - Four months	707,835	51,397	1,096,439	25,256	1,121,695

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 216,723 net tons in April, 1950 compared with 358,956 tons in March, 1950. The April shipments included 6,865 tons of semi-finished shapes, 9,660 tons of structurals, 13,451 tons of plates, 28,886 tons of rails, 8,083 tons of tie plates and track material, 40,124 tons of hot rolled bars, 15,370 tons of pipes and tubes, 24,236 tons of wire rods, 23,052 tons of black sheets, 7,408 tons of galvanized sheets, 5,380 tons of castings, and 10,534 tons of other rolled products. The amount of producers' interchange was 106,273 tons in April as against 111,798 tons in March, 1950.

Of the amounts shipped for sale during April, 46,000 tons went direct to railways and railway car shops; 16,025 tons went to pressing, forming and stamping plants; 31,595 tons to merchant trade products; 23,738 tons to building construction; 16,751 tons to the containers industry; 7,723 tons to agricultural equipment; 15,323 tons to the automotive industry; 9,098 tons to machinery plants; 2,496 tons to shipbuilding; 10,810 tons to mining, lumbering, etc., and 908 tons to miscellaneous industries; wholesalers and warehousing accounted for 21,015 tons, and exports for 12,700 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 106,273 tons in April, 1950.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, April, 1950

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	14,017	5,566	7,937
Other semi-finished shapes, not for re-rolling by makers	31,752	6,865	22,984
Structural shapes and piling	12,479	9,660	...
Plates	13,004	13,246	...
Rails	26,372	28,886	...
Tie plates and track material - Splice bars ... Tie plates Spikes	761 5,472 1,351	808 5,721 1,554	.........
Concrete reinforcing bars	6,016	6,028	...
Hot rolled bars for cold finishing	853	...	926
Other hot rolled bars	37,038	33,102	5,985
Pipes and tubes	19,421	15,370	...
Wire rods	24,424	24,181	...
Hot rolled black sheets	49,796	10,961	41,141
Cold reduced black sheets	12,438	12,091	1,599
Galvanized sheets	7,476	7,408	...
Steel castings	4,554	3,896	...
Miscellaneous hot rolled products	28,931	4,315	24,399
All other products	18,729	17,437	...
Total - Carbon Steel	314,884	207,095	104,971
<u>Alloy Steel</u>			
Billets, etc., for forging	673	531	...
Other semi-finished shapes, not for re-rolling by makers	1,302	...	1,302
Plates	149	205	...
Other hot rolled bars	6,316	7,022	...
Wire rods	56	55	...
Steel castings	1,724	1,484	...
Miscellaneous hot rolled products	230	191	...
All other products	114	140	...
Total - Alloy Steel	10,564	9,628	1,302

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

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Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Four Months Ended April, 1950

April, 1950

	Production (Including producers' interchange)	Shipments For	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	55,149	27,094	34,523
Other semi-finished shapes, not for re-rolling by makers	134,321	47,408	104,624
Structural shapes and piling	49,095	42,645	...
Plates	53,889	54,477	...
Rails	115,378	117,700	...
Tie plates and track material -			
Splice bars	6,031	5,887	...
Tie plates	17,167	16,939	...
Spikes	5,615	6,123	...
Concrete reinforcing bars	23,241	22,441	...
Hot rolled bars for cold finishing	3,169	908	3,225
Other hot rolled bars	159,920	142,234	28,158
Pipes and tubes	74,323	64,441	1
Wire rods	95,653	95,623	236
Hot rolled black sheets	192,258	84,230	144,996
Cold reduced black sheets	58,958	56,602	6,877
Galvanized sheets	31,941	31,458	...
Steel castings	18,120	16,795	...
Miscellaneous hot rolled products	114,264	39,033	98,823
All other products	76,642	74,696	1
Total - Carbon Steel	1,285,134	946,734	421,464
<u>Alloy Steel</u>			
Billets, etc., for forging	2,611	2,205	...
Other semi-finished shapes, not for re-rolling by makers	2,791	...	2,791
Plates	503	479	...
Other hot rolled bars	28,233	28,139	127
Wire rods	314	311	...
Steel castings	6,494	6,043	...
Miscellaneous hot rolled products	746	770	...
All other products	725	776	1
Total - Alloy Steel	42,417	38,723	2,919

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, April and Year to Date, 1950

	April, 1950		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	9,114	6,209	33,676	25,473
Agricultural, including farm machinery	7,659	64	43,823	308
Building construction	23,703	35	101,228	238
Containers industry	16,749	2	70,711	7
Machinery and tools	8,420	678	35,409	2,579
Merchant trade products	31,418	177	114,717	960
Mining, lumbering, etc.	10,189	621	35,615	2,505
National defence	1,492	1	2,003	27
Pressing, forming and stamping	15,958	67	71,242	291
Public works and utilities	970	78	4,101	210
Railway operating	43,060	225	159,780	712
Railway cars and locomotives	2,649	66	10,302	352
Shipbuilding	2,473	23	10,820	89
Miscellaneous and unclassified	818	90	3,959	353
Wholesalers and warehouses	20,908	107	89,558	418
Direct export (a) to British Empire	162	44	7,673	119
(b) to other countries ...	11,353	1,141	40,394	4,007
Total Shipped for Sale	207,095	9,628	835,011	38,648
Producers' interchange	104,971	1,302	421,464	2,919

Table 14 - Imports of Primary Forms of Iron and Steel, April, 1950 and Year to Date

Table 14 - Imports of Primary Forms of Iron and Steel, April, 1950 and Year to Date							
Commodity	Country of origin	April, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United Kingdom	...	...	...	56	...	...
	United States	...	...	...	51	...	...
	Netherlands	56	...	...	56	...	...
Malleable	United States	58	...	...	230	...	...
Ingots	United States	59	...	...	367	120	...
Billets, blooms, slabs and sheet bars	United States	3	...	...	7	87	1.4
Bars and Sections -							
Hot rolled, n.o.p.	United States	2,000	92	3.9	9,317	386	75.7
	United Kingdom	62	...	29.0	179	27	51.8
	Belgium	102	...	...	420	...	...
	Sweden	...	...	...	2	...	...
Hot rolled -							
For agricultural implements	United States	203	...	...	1,399	...	...
	United Kingdom	...	...	...	36	...	...
Rounds over 4 ⁷ / ₈ ", squares over 4"	United States	5	3	...	161	16	...
	United Kingdom	...	...	...	30	4	.7
Angles, channels, etc.	United States	90	...	4.3	466	1	15.6
	Germany	...	...	...	11	...	...
	Belgium	90	...	...	136	...	...
	United Kingdom	1	...	...	1	...	...
Structurals (bar sizes) for agri- cultural implements	United States	31	...	...	321	...	...
Sash or casement sections	United States	38	...	...	449	...	...
	Belgium	...	...	...	11	...	...
	United Kingdom	28	...	...	28	...	...
Cold rolled, n.o.p.	United States	313	8	2.4	1,170	17	12.2
	United Kingdom	69	1	1.7	76	1	9.6
Cold rolled -							
For agricultural implements	United States	660	...	...	2,549	74	...
Tool steel	United States	21	34	...	34	135	...
	United Kingdom	73	33	...	433	98	...
	Austria	2	...	...	2	...	...
Structurals	United States	10,472	...	.2	45,734	...	2.6
	United Kingdom	316	...	...	1,021	...	...
	Belgium	271	...	...	426	...	...
Plates -							
78" and under in width	United States	759	2	25.7	2,323	19	61.9
	United Kingdom	753	...	7.1	1,430	4	12.3
Over 78" and under 100" in width ..	United States	331	...	.3	1,522	283	3.7
	United Kingdom	850	...	.2	2,242	5	.2
100" in width and over	United States	81	...	...	858	...	...
	United Kingdom	...	...	...	25	...	...
Flanged, dished or curved	United States	62	...	...	489	...	...
Boiler, pulp-mill digesters	United States	324	...	...	1,203	...	5.4
Chequered or surface pattern	United States	282	...	...	1,089	...	...
	United Kingdom	...	...	...	104	...	...
Painted	United States	...	...	...	5	...	...
Sheets -							
Silicon .075 or more	United States	...	2,182	...	...	7,176	...
	United Kingdom	...	165	...	...	580	...
Galvanized	United States	760	...	...	3,359	...	...
	United Kingdom	1,061	...	...	2,580	...	...
Hot rolled -							
18 gauge and heavier	United States	2,153	...	34.5	8,755	12	125.3
	Belgium	80	80
	United Kingdom	114	...	48.0	378	...	165.3

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Table 14 - Imports of Primary Forms of Iron and Steel, April, 1950 and Year to Date (Continued)

Commodity	Country of origin	April, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets -							
Hot rolled (concluded)							
Lighter than 18 gauge	United States	189	...	16.8	607	3	59.7
	United Kingdom	367	...	1.7	757	...	8.5
For hollow ware (vitreous enamel)	United States	34	...	...	60	...	...
Corrugated	United States	494	...	...	1,672	...	...
	United Kingdom	...	...	...	18	...	...
Coated with paint, tar, asphaltum, etc.	United States	158	...	...	475	...	...
For saws	United States	13	44	...	90	197	...
	United Kingdom	...	...	...	...	4	...
For cold rolled strip	United States	...	...	...	74	...	...
Shaped for agricultural implements	United States	5	...	...	432	24	...
Cold rolled -							
18 gauge and heavier	United States	626	...	114.7	2,778	...	373.7
	United Kingdom	...	...	...	51	...	...
Lighter than 18 gauge	United States	1,726	...	113.5	6,352	...	356.2
	United Kingdom	...	...	...	12	...	...
For hollow ware (vitreous enamel)	United States	703	...	...	2,774	...	...
	United Kingdom	...	...	...	123	...	...
Black plate - Tin mill	United States	90	...	...	123	...	...
Coated with paint, tar, asphaltum, etc.	United States	8	...	...	116	...	...
For heating apparatus	United States	87	...	...	120	...	...
For saws	Sweden	...	...	...	...	3	...
	United States	...	2	...	1	10	...
For tubes	United States	248	...	...	1,835	...	...
Tin plate - Primes	United States	...	...	...	133	...	...
	United Kingdom	10	...	...	60	...	...
Electrolytic (25#)	United States	38	...	...	94	...	...
Terne plate - Long	United States	407	...	...	1,761	...	...
Short	United States	144	...	...	487	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	710	1	.2	3,735	10	5.7
	Belgium	22	...	...	124	...	...
	United Kingdom	41	1	...	479	2	...
Lighter than 18 gauge	United States	127	...	10.8	618	...	66.0
	United Kingdom	1	...	...	1	...	...
For cold rolling	United States	26	...	...	355	...	...
Painted	United States	484	...	...	1,637	...	...
	United Kingdom	...	...	...	10	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	85	...	...	245	...	...
For saws	United States	4	40	...	33	143	...
	United Kingdom	...	...	...	...	10	...
For motor vehicles	United States	1,199	...	...	5,482	...	...
For hoops	United States	237	...	...	536	...	...
	United Kingdom	...	...	...	190	...	...
For tubular products	United States	50	...	...	106	...	...
For butt hinges	United States	...	...	...	4	...	...
Silicon .075 or more	United States	...	408	...	...	1,100	...
Cold rolled -							
18 gauge and heavier	United States	286	18	5.9	1,263	26	116.3
	United Kingdom	...	...	...	7	...	...
	Sweden	...	...	...	...	...	.2
	Belgium	...	...	...	19	...	...
Lighter than 18 gauge	United States	253	1	135.5	1,739	1	437.0
	Sweden	24	...	...	87	...	...
	United Kingdom	14	...	.2	21	...	.5

Table 14 - Imports of Primary Forms of Iron and Steel, April, 1950 and Year to Date (Continued)

Commodity	Country of origin	April, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip - (concluded)							
Cold rolled -							
Painted	United States	423	...	...	794	...	...
	Germany	3	...	...	21	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	25	...	...	132	...	...
	United Kingdom	5	...	...	5	...	...
For saws	United States	...	7	...	...	21	...
	Sweden	...	...	...	...	4	...
For tubes	United States	324	...	...	1,124	...	...
For tubular products	United States	75	...	...	422	...	...
For butt hinges	United States	33	...	...	312	...	...
Silicon .075 or more	United States	...	50	...	...	619	...
Galvanized strip	United States	541	...	...	2,104	...	...
	United Kingdom	12	...	...	14	...	...
Skelp -							
15 ³ / ₈ " and under in width	United States	4,219	...	...	31,466	...	...
	United Kingdom	580	...	...	870	...	...
	Belgium	5,220	...	...	8,793	...	...
Over 15 ³ / ₈ " in width	United States	...	...	...	2,112	...	...
Pipes and tubes -							
Cast	United States	3	...	...	63	...	...
	United Kingdom	949	...	...	3,718	...	...
Bedstead	United States	1	...	...	97	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	41	1	1.5	744	107	1.5
	United Kingdom	25	...	...	26	...	...
Cold drawn	United States	142	2	...	575	33	...
	United Kingdom	...	...	...	28	...	...
Welded	United States	101	...	...	243	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	361	1	12.2	1,281	35	58.6
	United Kingdom	38	...	3.9	99	6	8.7
Hot finished	United States	168	198	...	1,181	636	.3
	United Kingdom	1,537	...	...	1,582	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	80	...	...	248	32	28.1
	United Kingdom	1,188	...	...	2,279	...	...
Welded, 4" and under in diameter	United States	616	...	3.6	2,168	...	10.9
	United Kingdom	404	...	...	947	...	...
Welded, over 4" in diameter	United States	16,116	...	.6	32,578	...	.6
	United Kingdom	76	...	...	82	...	...
Tubing -							
Not over ¹ / ₂ " diameter, welded and coated	United States	35	...	...	141	...	...
Spiral welded	United States	26	...	...	407	...	...
Casings	United States	2,873	10,255
	United Kingdom	72	93
Fittings and couplings	United States	174	...	3.8	876	...	9.1

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Table 14 - Imports of Primary Forms of Iron and Steel, April, 1950, and Year to Date (Concluded)

Commodity	Country of origin	April, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire rope	United States	51	...	1.0	276	...	1.3
	United Kingdom	7	...	...	90	...	...
	Germany	...	...	...	27	...	...
Wire -							
For wire rope	United States	458	...	.3	2,374	...	.6
	United Kingdom	696	...	...	1,965	...	...
For corset laces, steels, etc. ...	United States	9	...	...	38	...	...
	United Kingdom	2	...	...	3	...	...
For spring mattress, etc.	United States	123	...	...	880	...	...
For fencing, galvanized	United States	...	...	...	1	...	...
Wire cloth and netting	United States	28	...	2.3	196	4	3.3
	United Kingdom	29	...	...	92	...	...
Wire, coated	United States	47	...	...	208	...	...
Wire -- All other	United States	192	1	2.4	1,127	12	13.2
	United Kingdom	1	...	...	19	...	...
	Germany	...	...	...	1	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	...	...	...	29	...	...
	Germany	...	...	...	54	...	...
	Sweden	...	...	...	23	...	...
	Belgium	...	...	...	560	...	...
	France	...	...	...	100	...	...
Welding wire and welding rods	United States	68	26	13.0	241	110	32.0
Castings -							
For agricultural implements	United States	142	...	...	721	...	...
For ingot moulds	United States	1,359	...	...	4,938	...	...
Malleable	United States	27	...	...	149	...	...
Non-malleable	United States	272	...	...	918	...	...
Steel	United States	25	6	.1	97	51	.8
	Norway	...	...	...	84	...	7.0
For railway vehicles	United States	25	...	...	165	...	...
Rolls	United States	101	68	...	576	167	...
	United Kingdom	...	...	...	26	177	...
Piston rings (rough)	United States	27	...	...	124	...	...
Forgings	United States	135	36	...	455	191	...
	United Kingdom	43	71	...	83	138	...
Axles - For railway vehicles	United States	...	...	...	48	...	...
Wheels -							
For railway rolling stock	United States	36	...	...	145	...	...
	United Kingdom	444	...	...	688	...	...
Tires -							
For railway rolling stock	United States	9	...	...	320	...	...
	United Kingdom	574	...	...	574	...	...
Rails -							
60 lb. and under	United States	24	...	...	34	...	...
Over 60 lb. and including 100 lb.	United States	19	...	...	345	...	...
Over 100 lb.	United States	1	...	...	13	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	211	...	...	401	...	...
Intersections, switches, frogs ..	United States	8	...	...	47	...	...
Total Imports	United States	56,910	3,231	509.5	221,774	11,858	1,878.7
	All other	16,312	271	91.8	34,668	1,063	264.8
TOTAL		73,222	3,502	601.3	256,442	12,921	2,143.5

Table 15 - Exports of Primary Iron and Steel, April, 1950 and Year to Date

	April, 1950	Year to date
	(Tons of 2,000 pounds)	
Pig iron	15,746	53,159
Ingots, blooms and billets ...	7,092	31,531
Bars	1,581	5,967
Rods .....	...	54
Plates, sheets and strips	1,808	8,128
Rails .....	...	11,119
Structural shapes	590	836
Pipe and tubing - Wrought iron	37	85
Cast iron ..	171	703
Galvanized .	898	3,475
Other	3	84
Castings, iron and steel	1,013	1,846
Forgings	46	245



DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

OTTAWA

UNIVERSITY OF TORONTO
DEPT. OF POLITICAL ECONOMY

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28
Vol.5-No.5.

Price 25 cents

PRIMARY IRON AND STEELMAY - 1950

Pig Iron - Production of pig iron in Canada amounted to 195,893 net tons in May compared with 202,148 tons in the corresponding month of last year. The total for the current month included 146,785 tons of basic iron, 22,489 tons of foundry iron and 26,619 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in May amounted to 12,707 net tons compared with 14,627 tons in the previous month and with 20,652 tons in May of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during May totalled 290,906 net tons compared with 293,179 tons in May of last year. Output in the month under review included 283,810 tons of ingots and 7,096 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During April and May, 1950

	A p r i l			M a y		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron -</u>						
Basic	139,487	226	139,713	143,278	3,507	146,785
Foundry	120	17,332	17,452	230	22,259	22,489
Malleable .....	...	28,094	28,094	...	26,619	26,619
Total Pig Iron	139,607	45,652	185,259	143,508	52,385	195,893
<u>Ferro-alloys -</u> .....	...	14,627	14,627	...	12,707	12,707

Table 2 - Cumulative Production for the Five Months Ended May, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron -</u>						
Basic	737,080	37,806	774,886	687,895	15,488	703,383
Foundry	1,929	94,117	96,046	1,082	86,917	87,999
Malleable .....	...	69,884	69,884	223	112,123	112,346
Total Pig Iron	739,009	201,807	940,816	689,200	214,528	903,728
<u>Ferro-alloys -</u> .....	...	111,180	111,180	...	64,104	64,104

Table 3 - Iron Blast Furnace Charges During April and May, 1950 and Five Months Ended May, 1950

	April	May	Five months ended May
	(Net tons of 2,000 pounds)		
Iron ore	339,547	349,115	1,641,908
Mill cinder, scale, sinter, etc. ..	23,534	32,937	150,444
Limestone	72,374	74,145	336,413
Dolomite	11,665	12,548	63,783
Coke	176,388	184,488	857,839
Scrap iron and steel	7,550	8,559	34,408

This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at End of May, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	per cent
In blast	12	2,554,950	93.1
Banked .....	...	...	...
Blown out	2	190,050	6.9
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During April and May, 1950

	A p r i l			M a y		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	220,510	9,909	230,419	223,679	15,808	239,487
Electric	35,158	7,359	42,517	37,060	7,263	44,323
Total Steel Ingots	255,668	17,268	272,936	260,739	23,071	283,810
Alloy steel ingots included in above	15,801	...	15,801	19,366	...	19,366
<u>Steel Castings</u>						
Open hearth - Basic	163	1,427	1,590	190	1,237	1,427
Converter	1	6	7	...	10	10
Electric	1,220	3,567	4,787	1,453	4,206	5,659
Total Steel Castings ...	1,384	5,000	6,384	1,643	5,453	7,096
Alloy steel castings included in above	615	1,128	1,743	730	1,097	1,827
TOTAL INGOTS AND CASTINGS ..	257,052	22,268	279,320	262,382	28,524	290,906

Table 7 - Cumulative Production for The Five Months Ended May, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	1,118,315	69,935	1,188,250	1,107,694	58,208	1,165,902
Electric	168,728	30	168,758	180,071	34,276	214,347
Total Steel Ingots	1,287,043	69,965	1,357,008	1,287,765	92,484	1,380,249
Alloy steel ingots included in above	62,893	...	62,893	86,510	...	86,510

Primary Iron and Steel

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Table 7 - Cumulative Production for the Five Months Ended May, 1949 and 1950 (Concluded)

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Castings</u>						
Open hearth - Basic	1,064	12,573	13,637	885	7,805	8,690
Converter	7	33	40	4	20	24
Electric	6,192	28,709	34,901	6,372	17,266	23,638
Total Steel Castings	7,263	41,315	48,578	7,261	25,091	32,352
Alloy steel castings included in above	2,609	4,619	7,228	3,129	4,727	7,856
TOTAL INGOTS AND CASTINGS	1,294,306	111,280	1,405,586	1,295,026	117,575	1,412,601

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During April and May, 1950 and Five Months Ended May, 1950

	April	May	Five Months Ended May
(Net tons of 2,000 pounds)			
Pig iron	138,606	148,107	692,913
Scrap - Own make	81,942	85,908	413,967
Purchased	82,632	81,687	404,104

Table 9 - Steel Furnace Capacity at End of May, 1950

	Annual Capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel Castings	303,600
Total Ingots and Castings ..	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

			S t e e l		
Month	Pig Iron	Ferro- alloys	Ingots	Castings	Total steel
			(Net tons of 2,000 pounds)		
1 9 4 9					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,368	97,562	3,186,930
1 9 5 0					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
Total - Five Months	903,728	64,104	1,380,249	32,352	1,412,601

Of the amounts shipped for sale during May, 48,499 tons went direct to railways and railway car shops; 14,467 tons went to pressing, forming and stamping plants; 30,856 tons to merchant trade products; 35,592 tons to building construction; 22,349 tons to the containers industry; 10,264 tons to agricultural equipment; 17,500 tons to the automotive industry; 8,707 tons to machinery plants; 3,948 tons to shipbuilding; 15,461 tons to mining, lumbering, etc., and 1,253 tons to miscellaneous industries; wholesalers and warehousing accounted for 24,680 tons, and exports for 13,615 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 128,356 tons in May, 1950.

	Production (Including producers' interchange)	For sale	Shipments Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	11,409	4,216	7,365
Other semi-finished shapes, not for re-rolling by makers	35,563	6,828	30,148
Structural shapes and piling	13,982	13,820	...
Plates	14,576	14,550	...
Rails	31,718	30,950	...
Tie plates and track material - Splice bars	2,509	2,525	...
Tie plates	4,154	3,740	...
Spikes	1,499	1,357	...
Concrete reinforcing bars	12,911	11,213	...
Hot rolled bars for cold finishing	1,525	68	1,410
Other hot rolled bars	42,738	35,452	7,320
Pipes and tubes	23,348	23,013	4
Wire rods	23,374	24,766	24
Hot rolled black sheets	59,150	10,433	49,236
Cold reduced black sheets	14,233	12,711	2,238
Galvanized sheets	8,544	9,053	...
Steel castings	5,261	4,448	...
Miscellaneous hot rolled products	35,069	3,617	29,795
All other products	23,685	24,304	3
Total - Carbon Steel	365,248	237,064	127,543
<u>Alloy Steel</u>			
Billets, etc., for forging	769	814	...
Other semi-finished shapes, not for re-rolling by makers	730	...	730
Plates	304	173	...
Other hot rolled bars	11,630	8,487	82
Wire rods	31	19	...
Steel castings	1,941	1,826	...
Miscellaneous hot rolled products	158	180	...
All other products	247	226	1
Total - Alloy Steel	15,810	11,725	813

Note: Figures shown under "Producers' Interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

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May - 1950

* - Revised.

Consuming Industries, May and Year to Date, 1950

	May, 1950		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	9,340	8,160	43,016	33,633
Agricultural, including farm machinery .	10,170	94	53,993	402
Building construction	35,539	53	136,767	291
Containers industry	22,347	2	93,058	9
Machinery and tools	8,119	588	43,528	3,167
Merchant trade products	30,664	192	145,381	1,152
Mining, lumbering, etc.	14,771	690	50,386	3,195
National defence	85	25	2,088	52
Pressing, forming and stamping	14,358	109	85,600	400
Public works and utilities	1,428	60	5,529	270
Railway operating	44,252	128	204,032	840
Railway cars and locomotives	4,109	10	14,411	362
Shipbuilding	3,908	40	14,728	129
Miscellaneous and unclassified	1,101	152	5,060	505
Wholesalers and warehouses	24,570	110	114,128	528
Direct export (a) to British Empire	870	13	8,543	132
(b) to other countries ...	11,433	1,299	51,827	5,306
Total Shipped for Sale	237,064	11,725	1,072,075	50,373
Producers' interchange	127,543	813	549,007	3,732

Table 14 - Imports of Primary Forms of Iron and Steel, May, 1950 and Year to Date

		May, 1950			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	116	...	...	167	...	...
	United Kingdom	...	...	...	56	...	...
	Netherlands	...	...	...	56	...	...
Foundry	United States	...	...	...	...	...	...
Malleable	United States	...	...	...	230	...	...
	United Kingdom	2,923	...	...	2,923	...	...
Silvery	United States	...	...	...	...	...	...
Charcoal	United States	...	...	...	...	...	...
Special	Germany	...	...	...	...	...	...
Ingots	United States	68	...	...	435	120	...
Billets, blooms, slabs and sheet bars	United States	10	...	...	17	87	1.4
	Belgium	112	...	...	112	...	...
Tube rounds and tube billets	United States	526	...	...	526	...	...
Bars and Sections -							
Hot rolled, n.o.p.	United States	2,457	327	7.8	11,774	713	83.5
	United Kingdom	87	14	7.6	266	41	59.4
	Belgium	263	...	...	683	...	...
	Sweden	...	...	...	2	...	...
Hot rolled -							
For agricultural implements	United States	139	...	...	1,538	...	...
	United Kingdom	...	...	...	36	...	...
Rounds over 4 ⁷ / ₈ " , squares over 4" ..	United States	210	...	.2	371	16	.2
	United Kingdom	25	...	...	55	4	.7
	Belgium	...	...	...	...	...	...
Angles, channels, etc.	United States	179	1	2.4	645	2	18.0
	Germany	...	...	...	11	...	...
	Belgium	131	...	...	267	...	...
	United Kingdom	1	...	...	2	...	...
Structurals (bar sizes) for agri- cultural implements	United States	40	...	...	361	...	...
Sash or casement sections	United States	180	...	...	629	...	...
	Belgium	...	...	...	11	...	...
	United Kingdom	39	...	...	67	...	...
Cold rolled, n.o.p.	United States	310	23	1.7	1,480	40	13.9
	United Kingdom	87	...	2.5	163	1	12.1
	Germany	...	...	...	...	...	...
Cold rolled, for agricultural implements	United States	399	51	...	2,948	125	...
Tool steel	United States	4	40	...	38	175	...
	United Kingdom	213	56	...	646	154	...
	Austria	...	...	...	2	...	...
	Sweden	1	...	...	1	...	...
Structurals	United States	10,831	...	...	56,565	...	2.6
	United Kingdom	2,165	...	...	3,186	...	...
	Belgium	462	...	...	888	...	...
	France	...	...	...	...	...	...
Plates -							
78" and under in width	United States	1,629	14	50.7	3,952	33	112.6
	United Kingdom	1,284	...	5.4	2,714	4	17.7
Over 78" and under 100" in width ...	United States	1,959	...	4.7	3,481	283	8.4
	United Kingdom	2,534	...	...	4,776	5	.2
100" in width and over	United States	291	...	...	1,149	...	...
	United Kingdom	11	...	...	36	...	...
Flanged, dished or curved	United States	129	...	...	618	...	...
Boiler, pulp-mill digesters	United States	182	...	3.6	1,385	...	9.0
Chequered or surface pattern	United States	344	...	...	1,433	...	...
	United Kingdom	...	...	...	104	...	...
Painted	United States	1	...	...	6	...	...
For saws	United States	...	...	...	...	...	...
For tubes	United States	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, May, 1950 and Year to Date (Continued)

Commodity	Country of origin	May, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets -							
Silicon .075 or more	United States	...	2,124	...	...	9,300	...
	United Kingdom	...	110	...	...	690	...
Galvanized	United States	902	...	...	4,261	...	...
	United Kingdom	1,296	...	...	3,876	...	...
Hot rolled -							
18 gauge and heavier	United States	5,441	3	15.7	14,196	15	141.0
	Belgium	171	...	...	251	...	...
	United Kingdom	186	...	62.1	564	...	227.4
Lighter than 18 gauge	United States	154	...	32.7	761	3	92.4
	United Kingdom	108	...	1.5	865	...	10.0
For hollow ware (vitreous enamel) .	United States	62	...	...	122	...	...
Corrugated	United States	293	...	...	1,965	...	...
	United Kingdom	8	...	...	26	...	...
Coated with paint, tar, asphaltum, etc.	United States	140	...	...	615	...	...
	United Kingdom	4	...	...	4	...	...
For saws	United States	1	58	...	91	255	...
	United Kingdom	...	8	...	...	12	...
For cold rolled strip	United States	...	...	...	74	...	...
Shaped for agricultural implements	United States	88	22	...	520	46	...
For tubes	United States	...	...	...	...	...	...
Cold rolled -							
18 gauge and heavier	United States	107	...	182.0	2,885	...	555.7
	United Kingdom	...	...	...	51	...	...
Lighter than 18 gauge	United States	2,391	...	176.0	8,743	...	532.2
	United Kingdom	72	...	7.7	84	...	7.7
For hollow ware (vitreous enamel) .	United States	1,010	...	...	3,784	...	...
	United Kingdom	179	...	...	302	...	...
Black plate - Tin mill	United States	48	...	...	171	...	...
Coated with paint, tar, asphaltum, etc.	United States	4	...	...	120	...	...
For heating apparatus	United States	27	...	...	147	...	...
For saws	United States	...	4	...	1	14	...
	Sweden	...	...	...	...	3	...
For tubes	United States	633	...	...	2,468	...	...
For tubular products	United States	...	...	...	...	...	...
For butt hinges	United States	...	...	...	...	...	...
Black plate - For tinning	United States	...	...	...	...	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	...	...	...	...	...	...
Slabs for conversion to tin plate ...	United States	...	...	...	...	...	...
Tin plate - Primes	United States	...	...	...	133	...	...
	United Kingdom	12	...	...	72	...	...
Electrolytic (25#)	United States	4	...	...	98	...	...
(50#)	United States	...	...	...	...	...	...
Waste waste	United States	...	...	...	...	...	...
Terne plate - Long	United States	689	...	...	2,450	...	...
Short	United States	152	...	...	639	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	933	73	17.8	4,668	83	23.5
	United Kingdom	197	1	...	676	3	...
	Belgium	99	...	...	223	...	...
	Sweden	...	...	2.5	...	...	2.5
	France	31	...	...	31	...	...
Lighter than 18 gauge	United States	80	...	48.3	698	...	114.3
	United Kingdom	...	...	...	1	...	...
For cold rolling	United States	68	...	...	423	...	...
Painted	United States	371	...	...	2,008	...	...
	United Kingdom	1	...	...	11	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, May, 1950 and Year to Date (Continued)

Table 14 - Imports of Primary Forms of Iron and Steel, May, 1950 and Year to Date (Continued)							
Commodity	Country of origin	May, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip (concluded) -							
Hot rolled -							
For shoe and corset laces, buckles, ball bearings, etc.	United States	61	...	...	306	...	...
For saws	United States	8	16	...	41	159	...
	United Kingdom	...	3	...	...	13	...
For motor vehicles	United States	1,446	...	...	6,928	...	...
For hoops	United States	1	...	...	537	...	...
	United Kingdom	93	...	...	283	...	...
For tubes	United States	...	...	...	...	...	...
For tubular products	United States	15	...	...	121	...	...
Silicon .075 or more	United States	...	581	...	...	1,681	...
For butt hinges	United States	...	...	...	4	...	...
Cold rolled -							
18 gauge and heavier	United States	225	2	36.2	1,488	28	152.5
	United Kingdom	8	...	...	15	...	...
	Belgium	...	...	...	19	...	...
	Sweden	...	...	...	...	...	.2
Lighter than 18 gauge	United States	335	...	122.5	2,074	1	559.5
	Sweden	29	...	...	116	...	...
	United Kingdom	32	...	.5	53	...	1.0
Painted	United States	207	...	...	1,001	...	...
	Germany	...	...	...	21	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	132	...	...
	United Kingdom	...	...	...	5	...	...
For saws	United States	...	14	...	...	35	...
	Sweden	...	2	...	...	6	...
For tubes	United States	612	...	.3	1,736	...	.3
For tubular products	United States	78	...	...	500	...	...
For butt hinges	United States	63	...	...	375	...	...
For hoops	United States	57	...	...	57	...	...
Silicon .075 or more	United States	...	5	...	...	624	...
Galvanized strip	United States	611	...	...	2,715	...	...
	United Kingdom	10	...	...	24	...	...
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	12,359	...	...	43,825	...	...
	United Kingdom	2,276	...	...	3,146	...	...
	Belgium	3,261	...	...	12,054	...	...
Over 15 $\frac{3}{8}$ " in width	United States	1,679	...	...	3,791	...	...
Pipes and Tubes -							
Cast	United States	17	...	...	80	...	...
	United Kingdom	763	...	...	4,481	...	...
Bedstead	United States	...	...	...	97	...	...
Repair of pressure parts of boilers - Hot finished	United States	205	6	...	949	113	1.5
	United Kingdom	123	...	...	149	...	...
Cold drawn	United States	191	24	...	766	57	...
	United Kingdom	33	...	...	61	...	...
Welded	United States	21	...	...	264	...	...
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	...	...	...
Cold drawn	United States	...	...	...	...	...	...
Seamless, 12" and under in diameter - Cold drawn	United States	746	19	8.9	2,027	54	67.5
	United Kingdom	49	3	8.4	148	9	17.1
Hot finished.....	United States	751	232	...	1,932	868	.3
	United Kingdom	1,500	...	...	3,082	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, May, 1950 and Year to Date (Continued)

Commodity	Country of origin	May, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and Tubes (Concluded) -							
Seamless, over 12" in diameter -							
Hot finished	United States	129	...	...	377	32	28.1
	United Kingdom	306	...	...	2,585	...	...
Welded, 4" and under in diameter ...	United States	434	1	4	2,602	1	14.9
	United Kingdom	756	...	...	1,703	...	...
Welded, over 4" in diameter	United States	2,164	11	.1	34,742	11	.7
	United Kingdom	775	...	...	857	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	24	...	...	165	...	...
Casings	United States	2,438	...	...	12,693	...	...
	United Kingdom	521	...	...	614	...	...
Fittings and couplings	United States	34	...	9.8	910	...	18.9
	United Kingdom	3	...	...	3	...	...
Spiral welded	United States	137	...	...	544	...	...
Wire rope	United States	26	...	...	302	...	1.3
	United Kingdom	52	...	...	142	...	...
	Germany	...	...	...	27	...	...
Wire -							
For wire rope	United States	881	...	.1	3,255	...	.7
	United Kingdom	914	...	...	2,879	...	...
For corset laces, steels, etc.	United States	2	...	...	40	...	...
	United Kingdom	1	...	...	4	...	...
For spring mattress, etc.	United States	204	...	...	1,084	...	...
For fencing, galvanized	United States	...	...	...	1	...	...
Wire cloth and netting	United States	41	...	3.7	237	4	7.0
	United Kingdom	64	...	...	156	...	...
Wire, coated	United States	36	...	...	244	...	...
Wire -- All other	United States	601	3	4.2	1,728	15	17.4
	United Kingdom	3	...	...	22	...	...
	Germany	...	...	...	1	...	...
	Sweden	1	...	...	1	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter ...	United States	129	...	...	158	...	...
	Germany	...	...	...	54	...	...
	Sweden	...	...	...	23	...	...
	France	...	...	...	100	...	...
	Belgium	...	...	...	560	...	...
Welding wire and welding rods	United States	6	4	5.2	247	114	37.2
Castings -							
For agricultural implements	United States	141	...	...	862	...	...
For ingot moulds	United States	2,030	...	...	6,958	...	...
Malleable	United States	28	...	...	177	...	...
Non-malleable	United States	194	...	...	1,112	...	...
Steel	United States	62	5	.3	159	56	1.1
	Norway	...	...	...	84	...	7.0
For railway vehicles	United States	2	...	...	167	...	...
Rolls	United States	149	143	...	725	310	...
	United Kingdom	...	...	...	26	177	...
Piston rings (rough)	United States	16	...	...	140	...	...
Forgings	United States	73	20	...	528	211	...
	United Kingdom	239	91	...	322	229	...
Axles - For railway vehicles	United States	...	...	...	48	...	...
Wheels - For railway rolling stock ...	United States	20	...	...	165	...	...
	United Kingdom	1,413	...	...	2,101	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, May, 1950 and Year to Date (Concluded)

Commodity	Country of origin	May, 1950			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Tires -							
For railway rolling stock	United States	1	...	...	321	...	...
	United Kingdom	402	...	...	976	...	...
Rails -							
60 lb. and under	United States	...	...	...	34	...	...
Over 60 lb. and including 100 lb. ..	United States	108	...	...	453	...	...
Over 100 lb.	United States	...	...	...	13	...	...
Grooved for electric tramways	United States	...	...	...	...	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	226	...	...	627	...	...
	United Kingdom	...	...	...	...	...	...
Intersections, switches, frogs	United States	18	...	...	65	...	...
<hr/>							
Total Imports	United States	63,644	3,826	738.9	285,418	15,684	2,617.6
	All other	26,329	288	98.2	60,997	1,351	363.0
<hr/>							
TOTAL		89,973	4,114	837.1	346,415	17,035	2,980.6

Table 15 - Exports of Primary Iron and Steel, May, 1950 and Year to Date

	May, 1950	Year to date
(Tons of 2,000 pounds)		
Pig iron	10,724	63,883
Ingots, blooms and billets	10,156	41,687
Bars	1,078	7,045
Rods .....	...	54
Plates, sheets and strips	1,528	9,656
Rails .....	...	11,119
Structural shapes	55	891
Pipe and tubing - Wrought iron	68	153
Cast iron	63	766
Galvanized	65	3,340
Other	37	122
Castings, iron and steel	1,309	3,155
Forgings	48	293
<hr/>		
TOTAL	25,131	142,164



DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
OTTAWA

UNIVERSITY OF TORONTO
DEPT. OF PT

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28
Vol.5-No.6

PRIMARY IRON AND STEEL

Price 25 cents

JUNE - 1950

Pig iron - Production of pig iron in Canada amounted to 198,462 tons in June compared with 194,255 tons in the corresponding month of last year. The total for the current month included 153,962 tons of basic iron, 18,385 tons of foundry iron and 26,115 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in June amounted to 15,350 tons compared with 12,707 tons in the previous month and with 19,264 tons in June of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during June totalled 276,423 tons compared with 270,455 tons in June of last year. Output in the month under review included 269,816 tons of ingots and 6,607 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During May and June, 1950

	M a y			J u n e		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron -</u>						
Basic	143,278	3,507	146,785	141,604	12,358	153,962
Foundry	230	22,259	22,489	85	18,300	18,385
Malleable .....	...	26,619	26,619	...	26,115	26,115
Total Pig Iron	143,508	52,385	195,893	141,689	56,773	198,462
<u>Ferro-alloys</u> .....	...	12,707	12,707	...	15,350	15,350

Table 2 - Cumulative Production for the Six Months Ended June, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron -</u>						
Basic	891,281	42,347	933,628	829,499	27,846	857,345
Foundry	2,429	111,616	114,045	1,167	105,217	106,384
Malleable .....	...	87,398	87,398	223	138,238	138,461
Total Pig Iron	893,710	241,361	1,135,071	830,889	271,301	1,102,190
<u>Ferro-alloys</u> .....	...	130,444	130,444	...	79,454	79,454

Table 3 - Iron Blast Furnace Charges During May and June, 1950 and Six Months Ended June, 1950

	May	June	Six months ended June
	(Net tons of 2,000 pounds)		
Iron ore	349,115	346,443	1,988,351
Mill cinder, scale, sinter, etc.	32,937	46,734	197,178
Limestone	74,145	71,696	408,109
Dolomite	12,548	11,915	75,698
Coke	184,488	177,453	1,035,292
Scrap iron and steel	8,559	9,928	44,336

Note: This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at end of June, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	11	2,386,950	86.9
Banked .....	...	...	...
Blown out	3	358,050	13.1
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During May and June, 1950

	M a y			J u n e		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	223,679	15,808	239,487	210,812	14,767	225,579
Electric	37,060	7,263	44,323	37,227	7,010	44,237
Total Steel Ingots ...	260,739	23,071	283,810	248,039	21,777	269,816
Alloy steel ingots included in above	19,366	...	19,366	11,767	...	11,767
<u>Steel Castings</u>						
Open hearth - Basic	190	1,237	1,427	186	1,148	1,334
Converter .....	...	10	10	1	37	38
Electric	1,453	4,206	5,659	1,282	3,953	5,235
Total Steel Castings ..	1,643	5,453	7,096	1,469	5,138	6,607
Alloy steel castings included in above	730	1,097	1,827	772	866	1,638
TOTAL INGOTS AND CASTINGS	262,382	28,524	290,906	249,508	26,915	276,423

Table 7 - Cumulative Production for the Six Months Ended June, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	1,338,639	77,625	1,416,264	1,318,506	72,975	1,391,481
Electric	200,970	1,250	202,220	217,298	41,286	258,584
Total Steel Ingots ...	1,539,609	78,875	1,618,484	1,535,804	114,261	1,650,065
Alloy steel ingots included in above	73,453	...	73,453	98,277	...	98,277
<u>Steel Castings</u>						
Open hearth - Basic	1,214	15,275	16,489	1,071	8,953	10,024
Converter	9	51	60	5	57	62
Electric	7,538	33,470	41,008	7,654	21,219	28,873
Total Steel Castings ...	8,761	48,796	57,557	8,730	30,229	38,959
Alloy steel castings included in above	3,143	5,363	8,506	3,901	5,593	9,494
TOTAL INGOTS AND CASTINGS	1,548,370	127,671	1,676,041	1,544,534	144,490	1,689,024

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During May and June, 1950, and Six Months Ended June, 1950

	May	June	Six months ended June
	(Net tons of 2,000 pounds)		
Pig iron	148,107	138,521	851,434
Scrap - Own make	85,908	82,352	496,319
Purchased	81,687	78,932	483,036

Table 9 - Steel Furnace Capacity at end of June, 1950

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,368	97,562	3,186,930
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
Total - Six Months ..	1,102,190	79,454	1,650,065	38,959	1,689,024

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 248,322 net tons in June, 1950 compared with 248,789 tons in May, 1950. The June shipments included 6,264 tons of semi-finished shapes, 11,500 tons of structurals, 12,089 tons of plates, 27,610 tons of rails, 9,905 tons of tie plates and track material, 46,951 tons of hot rolled bars, 25,429 tons of pipes and tubes, 23,803 tons of wire rods, 24,281 tons of black sheets, 8,321 tons of galvanized sheets, 6,498 tons of castings, and 12,660 tons of other rolled products. The amount of producers' interchange was 123,338 tons in June as against 128,356 tons in May, 1950.

Of the amounts shipped for sale during June, 48,659 tons went direct to railways and railway car shops; 13,287 tons went to pressing, forming and stamping plants; 31,422 tons to merchant trade products; 32,293 tons to building construction; 24,406 tons to the containers industry; 10,727 tons to agricultural equipment; 16,658 tons to the automotive industry; 9,789 tons to machinery plants; 1,388 tons to shipbuilding; 15,539 tons to mining, lumbering, etc., and 1,124 tons to miscellaneous industries; wholesalers and warehousing accounted for 26,472 tons, and exports for 15,221 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 123,338 tons in June, 1950.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, June, 1950

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	13,290	6,131	8,382
Other semi-finished shapes, not for re-rolling by makers	33,939	6,264	29,328
Structural shapes and piling	12,306	11,500	...
Plates	11,271	11,930	27
Rails	27,362	27,610	...
Tie plates and track material: Splice bars ...	2,964	3,116	...
Tie plates	5,483	5,374	...
Spikes	1,347	1,415	...
Concrete reinforcing bars	6,090	8,244	...
Hot rolled bars for cold finishing	1,918	...	1,889
Other hot rolled bars	46,126	38,973	8,702
Pipes and tubes	24,894	25,429	4
Wire rods	24,838	23,708	31
Hot rolled black sheets	57,652	12,001	45,474
Cold reduced black sheets	16,693	12,280	2,143
Galvanized sheets	7,881	8,321	...
Steel castings	4,636	4,645	...
Miscellaneous hot rolled products	36,061	4,216	27,331
All other products	25,638	25,977	3
Total - Carbon Steel	360,389	237,134	123,314
<u>Alloy Steel</u>			
Billets, etc., for forging	433	507	...
Other semi-finished shapes, not for re-rolling by makers .....	...	...	...
Structural shapes and piling .....	...	...	...
Plates	116	159	...
Rails .....	...	...	...
Tie plates and track material - Splice bars ..	...	...	...
Tie plates ....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,206	7,978	24
Pipes and tubes .....	...	...	...
Wire rods	83	95	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,871	1,853	...
Miscellaneous hot rolled products	276	200	...
All other products	409	396	...
Total - Alloy Steel	9,394	11,188	24

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Six Months Ended June, 1950

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	79,848	28,816	50,270
Other semi-finished shapes, not for re-rolling by makers	203,823	34,509	164,100
Structural shapes and piling	75,383	67,965	...
Plates	79,736	80,957	27
Rails	174,458	176,260	...
Tie plates and track material - Splice bars ..	11,504	11,528	...
Tie plates ...	26,804	26,053	...
Spikes	8,461	8,895	...
Concrete reinforcing bars	42,242	41,898	...
Hot rolled bars for cold finishing	6,612	68	6,524
Other hot rolled bars	248,784	206,145	44,180
Pipes and tubes	122,565	112,883	9
Wire rods	143,865	144,023	291
Hot rolled black sheets	309,060	67,558	239,706
Cold reduced black sheets	89,884	79,922	11,258
Galvanized sheets	48,366	48,832	...
Steel castings	28,017	25,888	...
Miscellaneous hot rolled products	185,394	22,032	155,949
All other products	125,965	124,977	7
Total - Carbon Steel	2,010,771	1,309,209	672,321
<u>Alloy Steel</u>			
Billets, etc., for forging	3,813	3,526	...
Other semi-finished shapes, not for re-rolling by makers	3,521	...	3,521
Structural shapes and piling .....	...	...	...
Plates	923	811	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	46,069	44,529	233
Pipes and tubes .....	...	...	...
Wire rods	428	425	...
Steel castings	10,306	9,722	...
Miscellaneous hot rolled products	1,180	1,150	...
All other products	1,381	1,398	2
Total - Alloy Steel	67,621	61,561	3,756

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, June and Year to Date, 1950

	June		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	9,713	6,945	52,729	40,578
Agricultural, including farm machinery ...	10,556	171	64,549	573
Building construction	32,214	79	168,981	370
Containers industry	24,403	3	117,461	12
Machinery and tools	9,115	674	52,643	3,841
Merchant trade products	31,075	347	176,456	1,499
Mining, lumbering, etc.	14,761	778	65,147	3,973
National defence	337	3	2,425	55
Pressing, forming and stamping	13,169	118	98,769	518
Public works and utilities	962	35	6,491	305
Railway operating	43,235	139	247,267	979
Railway cars and locomotives	5,174	111	19,585	473
Shipbuilding	1,371	17	16,099	146
Miscellaneous and unclassified	996	128	6,056	633
Wholesalers and warehouses	26,241	231	140,369	759

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, June and Year to Date, 1950 (Concluded)

	June		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Direct export (a) To British Empire	470	99	9,013	231
(b) To other countries	13,342	1,310	65,169	6,616
Total Shipped for Sale	237,134	11,188	1,309,209	61,561
Producers' interchange	123,314	24	672,321	3,756

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1950 and Year to Date

Commodity	Country of origin	June			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	Netherlands	...	...	...	56	...	...
	United States	...	...	...	167	...	...
	United Kingdom	...	...	...	56	...	...
Foundry	United States	...	...	...	...	...	...
	United Kingdom	...	...	...	2,923	...	...
Malleable	United States	...	...	...	230	...	...
Silvery	United States	...	...	...	...	...	...
Charcoal	United States	...	...	...	...	...	...
Special	United States	346	...	...	346	...	...
Ingots	United States	123	21	...	558	141	...
Billets, blooms, slabs and sheet bars	United States	10	...	...	27	87	1.4
	Belgium	...	...	...	112	...	...
Tube rounds and tube billets	United States	302	...	...	828	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	2,310	222	3.2	14,084	935	86.7
	United Kingdom	58	31	6.0	324	72	65.4
	Belgium	1,101	...	...	1,784	...	...
	Sweden	...	...	...	2	...	...
Hot rolled -							
For agricultural implements	United States	54	4	...	1,592	4	...
	United Kingdom	...	...	...	36	...	...
Rounds over 4 7/8", squares over 4"	United States	59	2	...	430	18	.2
	United Kingdom	57	1	...	112	5	.7
	Belgium	...	...	...	...	...	...
Angles, channels, etc.	United States	284	...	.9	929	2	18.9
	Germany	...	...	...	11	...	...
	Belgium	145	...	...	412	...	...
	United Kingdom	...	...	...	2	...	...
Structurals (bar sizes) for agricultural implements	United States	20	...	...	381	...	...
Sash or casement sections	United States	83	...	...	712	...	...
	Belgium	...	...	...	11	...	...
	United Kingdom	2	...	...	69	...	...
Cold rolled, n.o.p.	United States	320	33	2.7	1,800	73	16.6
	United Kingdom	203	...	1.1	366	1	13.2
	Germany	...	...	...	...	...	...
Cold rolled, for agricultural implements	United States	512	...	...	3,460	125	...
Tool steel	United States	34	30	...	72	205	...
	United Kingdom	76	24	...	722	178	...
	Austria	...	...	...	2	...	...
	Sweden	...	...	...	1	...	...
Structurals	United States	9,162	...	1.1	65,727	...	3.7
	United Kingdom	1,132	...	...	4,318	...	...
	Belgium	1,467	...	...	2,355	...	...
	France	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1950 and Year to Date (Continued)

Commodity	Country of origin	June			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Plates -							
78" and under in width	United States	2,637	1	23.2	6,589	34	135.8
	United Kingdom	5,055	...	12.3	5,769	4	30.0
	Belgium	254	...	...	254	...	...
	Germany	21	...	...	21	...	...
Over 78" and under 100" in width ..	United States	1,886	...	3.2	5,367	283	11.6
	United Kingdom	4,034	...	...	8,810	5	.2
100" in width and over	United States	270	...	...	1,419	...	...
	United Kingdom	31	...	...	67	...	...
Flanged, dished or curved	United States	122	...	.2	740	...	.2
Boiler, pulp-mill digesters	United States	457	...	...	1,842	...	9.0
	United Kingdom	...	...	...	...	...	...
Chequered or surface pattern	United States	495	...	...	1,928	...	...
	United Kingdom	...	...	...	104	...	...
Painted	United States	14	...	...	20	...	...
For saws	United States	...	...	...	...	...	...
For tubes	United States	...	...	...	...	...	...
Sheets -							
Silicon .075 or more	United States	...	1,888	...	...	11,188	...
	United Kingdom	...	181	...	...	871	...
Galvanized	United States	1,117	...	...	5,378	...	...
	United Kingdom	336	...	...	4,212	...	...
Hot rolled -							
18 gauge and heavier	United States	6,226	1	60.1	20,422	16	201.1
	Germany	...	...	...	...	...	...
	Belgium	82	...	...	333	...	...
	United Kingdom	305	...	44.6	869	...	272.0
Lighter than 18 gauge	United States	227	...	27.9	988	3	120.3
	Belgium	...	...	...	...	...	...
	United Kingdom	286	1	3.1	1,151	1	13.1
For hollow ware (vitreous enamel)	United States	53	...	...	175	...	...
	United Kingdom	...	...	...	...	...	...
Corrugated	United States	234	...	...	2,199	...	...
	United Kingdom	...	...	...	26	...	...
Coated with paint, tar, asphaltum, etc.	United Kingdom	12	...	...	16	...	...
	United States	466	...	...	1,081	...	...
For saws	United States	18	42	...	109	297	...
	United Kingdom	...	2	...	...	14	...
For cold rolled strip	United States	55	...	...	129	...	...
Shaped for agricultural implements	United States	96	14	...	616	60	...
For tubes	United States	...	...	...	...	...	...
Cold rolled -							
18 gauge and heavier	United States	1,164	...	193.6	4,049	...	749.3
	United Kingdom	...	...	.1	51	...	.1
Lighter than 18 gauge	United States	2,213	...	121.9	10,956	...	654.1
	United Kingdom	...	...	...	84	...	7.7
For hollow ware (vitreous enamel)	United States	1,037	...	...	4,821	...	...
	United Kingdom	158	...	...	460	...	...
Black plate - Tin mill	United States	...	...	...	171	...	...
Coated with paint, tar, asphaltum, etc.	United States	45	...	...	165	...	...
For heating apparatus	United States	14	...	...	161	...	...
For saws	Sweden	...	2	...	...	5	...
	United States	...	...	...	1	14	...
For shoe and corset laces	United States	...	...	...	...	...	...
For tubes	United States	356	...	...	2,824	...	...
For tubular products	United States	...	...	...	...	...	...
For butt hinges	United States	...	...	...	...	...	...
Black plate - For tinning	United States	...	...	...	...	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	...	...	...	...	...	...
Slabs for conversion to tin plate..	United States	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1950 and Year to Date (Continued)

Commodity	Country of origin	June			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets (Concluded) -							
Tin plate--Primes	United States	...	...	...	133	...	...
	United Kingdom	56	...	...	128	...	...
Electrolytic (25#)	United States	20	...	...	118	...	...
(50#)	United States	...	...	...	...	...	...
Waste waste	United States	...	...	...	...	...	...
Terne plate--Long	United States	304	...	...	2,754	...	...
	United Kingdom	8	...	...	8	...	...
Short	United States	143	...	...	782	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	Sweden	...	...	...	...	...	2.5
	France	...	...	...	31	...	...
	United States	1,140	1	3.8	5,808	84	27.3
	Belgium	273	...	...	496	...	...
	United Kingdom	144	...	11.5	820	3	11.5
Lighter than 18 gauge	United States	185	...	9.9	883	...	124.2
	United Kingdom	...	...	...	1	...	...
For cold rolling	United States	726	...	...	1,149	...	...
Painted	United States	241	...	...	2,249	...	...
	United Kingdom	...	...	...	11	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	16	...	...	322	...	...
For saws	United States	...	17	...	41	176	...
	United Kingdom	...	...	...	...	13	...
	Sweden	...	2	...	...	2	...
For motor vehicles	United States	1,511	...	...	8,439	...	...
For hoops	United States	72	...	...	609	...	...
	United Kingdom	77	...	...	360	...	...
For tubes	United States	...	...	...	...	...	...
For tubular products	United States	...	...	...	121	...	...
For butt hinges	United States	...	...	...	4	...	...
Silicon .075 or more	United States	...	224	...	...	1,905	...
Cold rolled -							
18 gauge and heavier	United Kingdom	25	...	.1	40	...	.1
	United States	302	1	22.2	1,790	29	174.7
	Belgium	...	...	...	19	...	...
	Sweden	...	...	...	...	...	.2
Lighter than 18 gauge	United States	469	1	106	2,543	2	665.5
	Sweden	38	...	...	154	...	...
	United Kingdom	71	...	...	124	...	1.0
Painted	United States	462	...	...	1,463	...	...
	Germany	...	...	...	21	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	47	...	...	179	...	...
	United Kingdom	...	...	...	5	...	...
For saws	United States	...	7	...	...	42	...
	Sweden	...	4	...	...	10	...
For tubes	United States	145	...	...	1,881	...	.3
For tubular products	United States	59	...	...	559	...	...
For butt hinges	United States	114	...	...	489	...	...
	Sweden	...	...	...	...	...	...
Silicon .075 or more	United States	...	43	...	...	667	...
For hoops	United States	...	...	...	57	...	...
Galvanized strip	United States	620	...	...	3,335	...	...
	United Kingdom	...	...	...	24	...	...
Skelp -							
15 3/8" and under in width	United States	6,892	...	...	50,717	...	...
	United Kingdom	4,380	...	...	7,526	...	...
	Belgium	253	12,307
Over 15 3/8" in width	United States	1,725	5,516

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, June, 1950 and Year to Date (Continued)

Commodity	Country of origin	June			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes -							
Cast	United States	24	...	.1	104	...	.1
	United Kingdom	1,904	...	...	6,385	...	...
Bedstead	United States	41	...	...	138	...	...
Repair of pressure parts of boilers-							
Hot finished	United States	382	24	.2	1,331	137	1.7
	United Kingdom	238	...	...	387	...	...
Cold drawn	United States	79	1	...	845	58	...
	United Kingdom	2	...	...	63	...	...
Welded	United States	117	...	.8	381	...	.8
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	...	...	...
Cold drawn	United States	...	...	...	...	...	...
Seamless, 12" and under in diameter-							
Cold drawn	United States	380	28	9.5	2,407	82	77.0
	United Kingdom	61	...	3.9	209	9	21.0
	Sweden	...	...	...	...	...	...
Hot finished	United States	322	329	...	2,254	1,197	.3
	United Kingdom	821	...	...	3,903	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	182	...	...	559	32	28.1
	United Kingdom	2,203	...	...	4,788	...	...
Welded, 4" and under in diameter ..	United States	580	...	1.2	3,182	1	16.1
	United Kingdom	830	...	...	2,533	...	...
	Occupied Japan	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
Welded, over 4" in diameter	United States	26,490	...	.9	61,232	11	1.6
	United Kingdom	35	...	...	892	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	50	...	...	215	...	...
Special welded	United States	258	...	...	802	...	...
Casings	United States	2,335	...	...	15,028	...	...
	France	...	...	...	...	...	...
	United Kingdom	...	...	...	614	...	...
Fittings and couplings	United States	336	...	.9	1,246	...	19.8
	United Kingdom	12	...	...	15	...	...
Wire rope	United States	43	...	1.0	345	...	2.3
	United Kingdom	77	...	...	219	...	...
	Germany	...	...	...	27	...	...
Wire for rope	United States	621	...	1.0	3,876	...	1.7
	United Kingdom	850	...	...	3,729	...	...
Wire -							
For corset laces, steels, etc.	United States	9	...	...	49	...	...
	United Kingdom	...	...	...	4	...	...
For spring mattress, etc.	United States	124	...	...	1,208	...	...
	United Kingdom	1	...	...	1	...	...
For fencing, galvanized	United States	...	...	...	1	...	...
Wire cloth and netting	United States	114	...	.4	351	4	7.4
	United Kingdom	21	...	...	177	...	...
Wire, coated	United States	7	...	...	251	...	...
	United Kingdom	...	...	...	...	...	...
Wire, all other	United States	465	4	4.2	2,193	19	21.6
	United Kingdom	3	...	...	25	...	...
	Germany	1	...	...	2	...	...
	Sweden	...	...	...	1	...	...
Wire rods, not over 3/8" in diameter.	United States	...	...	...	158	...	...
	Germany	...	...	...	54	...	...
	Sweden	...	...	...	23	...	...
	France	...	...	...	100	...	...
	Belgium	272	...	...	832	...	...
Welding wire and welding rods	United States	70	10	5.2	317	124	42.4

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1950 and Year to Date (Concluded)

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1933 and Year to Date (Continued)							
Commodity	Country of origin	June			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings -							
For agricultural implements	United States	170	...	...	1,032	...	...
For ingot moulds	United States	2,101	...	...	9,059	...	...
Malleable	United States	33	...	...	210	...	...
Non-malleable	United States	52	...	...	1,164	...	...
Steel	United States	15	13	...	174	69	1.1
	Norway	...	...	...	84	...	7.0
	United Kingdom	1	...	...	1	...	...
For railway vehicles	United States	25	...	...	192	...	...
Rolls	United States	156	51	...	881	361	...
	United Kingdom	...	...	...	26	177	...
Piston rings (rough)	United States	10	...	...	150	...	...
Forgings	United States	73	11	...	601	222	...
	United Kingdom	129	343	...	451	572	...
Axles - For railway vehicles	United States	3	...	...	51	...	...
Wheels - For railway rolling stock ..	United States	34	...	...	199	...	...
	United Kingdom	424	...	...	2,525	...	...
Tires -							
For railway rolling stock	United States	27	...	...	348	...	...
	United Kingdom	83	...	...	1,059	...	...
Rails -							
60 lb. and under	Belgium	141	...	...	141	...	...
	United States	19	...	...	53	...	...
Over 60 lb. and including 100 lb. .	United States	145	...	...	598	...	...
	United Kingdom	2,756	...	...	2,756	...	...
Over 100 lb.	United States	5	...	...	18	...	...
Grooved for electric tramways	United States	...	...	...	...	...	...
Track material -							
Angles, bars, tie plates, rail joints	Belgium	5	...	...	5	...	...
	United States	125	...	...	752	...	...
	United Kingdom	506	...	...	506	...	...
Intersections, switches, frogs	United States	5	...	...	70	...	...
Total Imports	United States	84,041	3,023	605.3	369,459	18,707	3272.9
	All other	29,516	591	82.7	90,513	1,942	445.7
TOTAL		113,557	3,614	688.0	459,972	20,649	3668.6

Table 15 - Exports of Primary Iron and Steel, June, 1950 and Year to Date

	June		Year to date	
	(Tons of 2,000 pounds)			
Pig iron	22,323		86,206	
Ingots, blooms and billets	14,598		56,285	
Bars	506		7,551	
Rods .....	...		54	
Plates, sheets and strips	3,399		13,055	
Rails .....	...		11,119	
Structural shapes	94		985	
Pipe and tubing - Wrought iron	83		236	
Cast iron	45		811	
Galvanized	1,195		4,535	
Other	3		124	
Castings, iron and steel	2,112		5,268	
Forgings	59		352	



DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
OTTAWA

UNIVERSITY OF TORONTO

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28
Vol.5-No.7

PRIMARY IRON AND STEEL

Price 25 cents

JULY - 1950

Pig iron - Production of pig iron in Canada amounted to 194,016 tons in July compared with 175,381 tons in the corresponding month of last year. The total for the current month included 161,002 tons of basic iron, 13,917 tons of foundry iron and 19,097 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in July amounted to 16,118 tons compared with 15,350 tons in the previous month and with 14,280 tons in July of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during July totalled 264,190 tons compared with 238,830 tons in July of last year. Output in the month under review included 259,025 tons of ingots and 5,165 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During June and July, 1950

	J u n e			J u l y		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig iron -</u>						
Basic	141,604	12,358	153,962	146,802	14,200	161,002
Foundry	85	18,300	18,385	881	13,036	13,917
Malleable .....	...	26,115	26,115	...	19,097	19,097
Total Pig Iron ...	141,689	56,773	198,462	147,683	46,333	194,016
<u>Ferro-alloys</u> .....	...	15,350	15,350	...	16,118	16,118

Table 2 - Cumulative Production for the Seven Months Ended July, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig iron -</u>						
Basic	1,048,061	47,583	1,095,644	976,301	42,046	1,018,347
Foundry	2,429	114,891	117,320	2,048	118,253	120,301
Malleable .....	...	97,488	97,488	223	157,335	157,558
Total Pig Iron ...	1,050,490	259,962	1,310,452	978,572	317,634	1,296,206
<u>Ferro-alloys</u> .....	...	144,724	144,724	...	95,572	95,572

Table 3 - Iron Blast Furnace Charges During June and July, 1950 and Seven Months Ended July, 1950

	June	July	Seven months ended July
	(Net tons of 2,000 pounds)		
Iron ore	346,443	347,052	2,335,403
Mill cinder, scale, sinter, etc. .	46,734	37,936	235,114
Limestone	71,696	71,270	479,379
Dolomite	11,915	12,465	88,163
Coke	177,453	171,904	1,207,196
Scrap iron and steel	9,928	8,960	53,296

Note: This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at end of July, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	11	2,386,950	86.9
Banked .....	...	...	...
Blown out	3	358,050	13.1
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During June and July, 1950

	J u n e			J u l y		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	210,812	14,767	225,579	203,874	17,267	221,141
Electric	37,227	7,010	44,237	32,477	5,407	37,884
Total Steel Ingots	248,039	21,777	269,816	236,351	22,674	259,025
Alloy steel ingots included in above	11,767	...	11,767	16,205	...	16,205
<u>Steel Castings</u>						
Open hearth - Basic	186	1,148	1,334	115	856	971
Converter	1	37	38	1	30	31
Electric	1,282	3,953	5,235	1,175	2,988	4,163
Total Steel Castings ...	1,469	5,138	6,607	1,291	3,874	5,165
Alloy steel castings included in above	772	866	1,638	682	646	1,328
TOTAL INGOTS AND CASTINGS .	249,508	26,915	276,423	237,642	26,548	264,190

Table 7 - Cumulative Production for the Seven Months Ended July, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	1,539,224	85,687	1,624,911	1,522,380	90,242	1,612,622
Electric	224,283	1,789	226,072	249,775	46,693	296,468
Total Steel Ingots	1,763,507	87,476	1,850,983	1,772,155	136,935	1,909,090
Alloy steel ingots included in above	83,456	...	83,456	114,482	...	114,482
<u>Steel Castings</u>						
Open hearth - Basic	1,339	17,127	18,466	1,186	9,809	10,995
Converter	11	57	68	6	87	93
Electric	8,603	36,751	45,354	8,829	24,207	33,036
Total Steel Castings ...	9,953	53,935	63,888	10,021	34,103	44,124
Alloy steel castings included in above	3,661	6,029	9,690	4,583	6,239	10,822
TOTAL INGOTS AND CASTINGS .	1,773,460	141,411	1,914,871	1,782,176	171,038	1,953,214

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During June and July, 1950, and Seven Months Ended July, 1950

	June	July	Seven months ended July
	(Net tons of 2,000 pounds)		
Pig iron	138,521	140,999	972,433
Scrap - Own make	82,352	72,221	568,840
Purchased	78,932	72,332	555,358

Table 9 - Steel Furnace Capacity at end of July, 1950

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings ..	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
1 9 4 9					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,362	97,562	3,186,930
1 9 5 0					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
Total - Seven Months	1,296,206	95,572	1,909,090	44,124	1,953,214

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 221,792 net tons in July, 1950 compared with 246,322 tons in June, 1950. The July shipments included 10,384 tons of semi-finished shapes, 15,102 tons of structurals, 9,396 tons of plates, 21,350 tons of rails, 6,174 tons of tie plates and track material, 34,651 tons of hot rolled bars, 27,174 tons of pipes and tubes, 22,083 tons of wire rods, 21,511 tons of black sheets, 7,820 tons of galvanized sheets, 5,245 tons of castings, and 11,618 tons of other rolled products. The amount of producers' interchange was 125,607 tons in July as against 123,338 tons in June, 1950.

Primary steel shapes (continued)

Of the amounts shipped for sale during July, 34,789 tons went direct to railways and railway car shops; 11,523 tons went to pressing, forming and stamping plants; 26,684 tons to merchant trade products; 29,744 tons to building construction; 23,566 tons to the containers industry; 8,640 tons to agricultural equipment; 14,121 tons to the automotive industry; 8,005 tons to machinery plants; 1,727 tons to shipbuilding; 16,231 tons to mining, lumbering, etc., and 868 tons to miscellaneous industries; wholesalers and warehousing accounted for 26,923 tons, and exports for 16,816 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 125,607 tons in July, 1950.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, July, 1950

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	9,826	4,793	5,075
Other semi-finished shapes, not for re-rolling by makers	45,942	10,884	36,441
Structural shapes and piling	18,209	15,102	...
Plates	9,087	9,341	...
Rails	21,103	21,350	...
Tie plates and track material: Splice bars ...	2,044	2,311	...
Tie plates	2,621	2,553	...
Spikes	1,138	1,310	...
Concrete reinforcing bars	5,837	8,452	...
Hot rolled bars for cold finishing	495	...	473
Other hot rolled bars	32,092	28,093	6,191
Pipes and tubes	26,511	27,174	...
Wire rods	20,686	22,043	350
Hot rolled black sheets	55,768	9,045	46,714
Cold reduced black sheets	15,142	12,466	3,203
Galvanized sheets	8,530	7,820	...
Steel castings	3,562	3,650	...
Miscellaneous hot rolled products	33,632	2,998	26,746
All other products	23,572	23,290	...
Total - Carbon Steel	335,797	212,675	125,193
<u>Alloy Steel</u>			
Billets, etc., for forging	679	493	...
Other semi-finished shapes, not for re-rolling by makers	297	...	297
Structural shapes and piling .....	...	...	...
Plates	119	55	...
Rails .....	...	...	...
Tie plates and track material - Splice bars ..	...	...	...
Tie plates ...	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,215	6,558	117
Pipes and tubes .....	...	...	...
Wire rods	41	40	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,557	1,595	...
Miscellaneous hot rolled products	186	168	...
All other products	149	208	...
Total - Alloy Steel	10,243	9,117	414

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Primary Iron and Steel

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Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Seven Months Ended July, 1950

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	89,674	33,609	55,345
Other semi-finished shapes, not for re-rolling by makers	249,765	45,393	200,541
Structural shapes and piling	93,592	83,067	...
Plates	88,823	90,298	27
Rails	195,561	197,610	...
Tie plates and track material - Splice bars ..	13,548	13,839	...
Tie plates ...	29,425	28,606	...
Spikes	9,599	10,205	...
Concrete reinforcing bars	48,079	50,350	...
Hot rolled bars for cold finishing	7,107	68	6,997
Other hot rolled bars	280,876	234,238	50,371
Pipes and tubes	149,076	140,057	9
Wire rods	164,551	166,066	641
Hot rolled black sheets	364,828	76,603	286,420
Cold reduced black sheets	105,026	92,388	14,461
Galvanized sheets	56,896	56,652	...
Steel castings	31,579	29,538	...
Miscellaneous hot rolled products	219,026	25,030	182,695
All other products	149,537	148,267	7
Total - Carbon Steel	2,346,568	1,521,884	797,514
<u>Alloy Steel</u>			
Billets, etc., for forging	4,492	4,019	...
Other semi-finished shapes, not for re-rolling by makers	3,818	...	3,818
Structural shapes and piling .....	...	...	...
Plates	1,042	866	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	53,284	51,087	350
Pipes and tubes .....	...	...	...
Wire rods	469	465	...
Steel castings	11,863	11,317	...
Miscellaneous hot rolled products	1,366	1,318	...
All other products	1,530	1,606	2
Total - Alloy Steel.....	77,864	70,678	4,170

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, July and Year to Date, 1950

	J u l y	Year to date	
	Carbon steel	Alloy steel	Carbon steel
	(Tons of 2,000 pounds)		
Automotive industries	8,236	5,885	60,965
Agricultural, including farm machinery	8,542	98	73,091
Building construction	29,717	27	198,698
Containers industry	23,531	35	140,992
Machinery and tools	7,454	551	60,097
Merchant trade products	26,343	341	202,799
Mining, lumbering, etc.	15,645	586	80,792
National defence	20	4	2,445
Pressing, forming and stamping	11,465	58	110,234
Public works and utilities	1,170	20	7,661
Railway operating	30,816	238	278,083
Railway cars and locomotives	3,688	47	23,273
Shipbuilding	1,654	73	17,753
Miscellaneous and unclassified	756	112	6,812
Wholesalers and warehouses	26,822	101	167,191

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, July and Year to Date, 1950 (Concluded)

	J u l y		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Direct export (a) to British Empire	128	138	9,141	369
(b) to other countries	16,688	803	81,857	7,419
Total Shipped for Sale	212,675	9,117	1,521,884	70,678
Producers' interchange	125,193	414	797,514	4,170

Table 14 - Imports of Primary Forms of Iron and Steel, July, 1950 and Year to Date

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig Iron -							
Basic	Netherlands	...	...	...	56	...	...
	United States	...	...	...	167	...	...
	United Kingdom	...	...	...	56	...	...
Foundry	United States	116	...	...	116	...	...
	United Kingdom	...	...	...	2,923	...	...
	Germany	7,392	...	...	7,392	...	...
Malleable	United States	1,071	...	...	1,301	...	...
Silvery	United States	...	...	...	...	...	...
Charcoal	Sweden	56	...	...	56	...	...
Special	United States	785	...	...	1,131	...	...
Ingots	United States	40	...	...	598	141	...
Billets, blooms, slabs and sheet bars	United States	72	...	...	99	87	1.4
	Belgium	...	...	...	112	...	...
Tube rounds and tube billets	United States	405	...	...	1,233	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	2,689	81	4.8	16,773	1,016	91.5
	United Kingdom	83	...	7.7	407	72	73.1
	Belgium	675	...	...	2,459	...	...
	Sweden	1	...	...	3	...	...
Hot rolled -							
For agricultural implements	United States	123	...	...	1,715	4	...
	United Kingdom	...	...	...	36	...	...
Rounds over 4 7/8", squares over 4"	United States	81	2	...	511	20	.2
	United Kingdom	120	...	...	232	5	.7
	Belgium	...	...	...	...	...	...
Angles, channels, etc.	United States	64	...	.8	993	2	19.7
	Germany	...	...	...	11	...	...
	Belgium	197	...	...	609	...	...
	United Kingdom	28	...	2.0	30	...	2.0
Structurals (bar sizes) for agricultural implements	United States	78	...	...	459	...	...
Sash or casement sections	United States	53	...	...	765	...	...
	Belgium	30	...	...	41	...	...
	United Kingdom	...	...	...	69	...	...
Cold rolled, n.o.p.	United States	313	33	1.0	2,113	106	17.6
	United Kingdom	109	...	2.5	475	1	15.7
	Germany	...	1	...	...	1	...
Cold rolled, for agricultural implements	United States	242	...	...	3,702	125	...
Tool steel	United States	6	25	...	78	230	...
	United Kingdom	129	69	...	851	247	...
	Austria	...	...	...	2	...	...
	Sweden	...	...	...	1	...	...
Structurals	United States	10,049	...	1.4	75,776	...	5.1
	United Kingdom	369	...	...	4,687	...	...
	Belgium	2,667	...	...	5,022	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July, 1950 and Year to Date (Continued)

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates -							
78" and under in width	United States	1,326	...	18.1	7,915	34	153.9
	United Kingdom	2,397	...	85.3	8,166	4	115.3
	Belgium	414	...	...	668	...	...
	Germany	...	...	...	21	...	...
	France	84	...	...	84	...	...
Over 78" and under 100" in width ..	United States	1,533	...	2.4	6,900	283	14.0
	United Kingdom	3,446	...	...	12,256	5	.2
100" in width and over	United States	392	...	7.2	1,811	...	7.2
	United Kingdom	37	...	.8	104	...	.8
Flanged, dished or curved	United States	68	...	...	808	...	.2
Boiler, pulp-mill digesters	United States	307	...	...	2,149	...	9.0
	United Kingdom	481	...	...	481	...	...
Chequered or surface pattern	United States	701	...	...	2,629	...	...
	United Kingdom	49	...	...	153	...	...
Painted	United States	7	...	...	27	...	...
For saws	United States	...	4	...	...	4	...
For tubes	United States	...	...	...	...	...	...
Sheets -							
Silicon .075 or more	United States	...	1,819	...	...	13,007	...
	United Kingdom	...	163	...	...	1,034	...
Galvanized	United States	575	...	...	5,953	...	...
	United Kingdom	1,075	...	...	5,287	...	...
Hot rolled -							
18 gauge and heavier	United States	8,668	...	14.9	29,090	16	216.0
	Germany	...	...	...	...	...	...
	Belgium	702	...	...	1,035	...	...
	United Kingdom	90	...	62.3	959	...	334.3
Lighter than 18 gauge	United States	141	...	20.5	1,129	3	140.8
	Belgium	...	...	...	...	...	...
	United Kingdom	193	...	1.8	1,344	1	14.9
For hollow ware (vitreous enamel)	United States	9	...	...	184	...	...
	United Kingdom	...	...	...	...	...	...
Corrugated	United States	250	...	...	2,449	...	...
	United Kingdom	...	...	...	26	...	...
Coated with paint, tar, asphaltum, etc.	United Kingdom	...	...	...	16	...	...
	United States	429	...	...	1,510	...	...
For saws	United States	14	42	...	123	339	...
	United Kingdom	...	...	...	...	14	...
For cold rolled strip	United States	82	...	...	211	...	...
Shaped for agricultural implements	United States	122	...	...	738	60	...
For tubes	United States	81	...	...	81	...	...
Cold rolled -							
18 gauge and heavier	United States	557	...	145.4	4,606	...	894.7
	United Kingdom	...	...	...	51	...	.1
Lighter than 18 gauge	United States	2,372	...	78.9	13,328	...	733.0
	United Kingdom	21	...	5.0	105	...	12.7
For hollow ware (vitreous enamel)	United States	1,232	...	...	6,053	...	...
	United Kingdom	111	...	...	571	...	...
Black plate - Tin mill	United States	23	...	...	194	...	...
Coated with paint, tar, asphaltum, etc.	United States	12	...	...	177	...	...
For heating apparatus	United States	...	...	...	161	...	...
For saws	Sweden	...	3	...	...	8	...
	United States	...	3	...	1	17	...
For shoe and corset laces	United States	...	...	...	...	...	...
For tubes	United States	110	...	...	2,934	...	...
For tubular products	United States	...	...	...	...	...	...
For butt hinges	United States	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July, 1950 and Year to Date (Continued)

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets - (Concluded)							
Black plate - For tinning	United States	...	...	...	...	...	...
Sheets, hot rolled for conversion to tin plate	United States	...	...	...	...	...	...
Slabs for conversion to tin plate ..	United States	...	...	...	...	...	...
Tin plate--Primes	United States	39	...	...	172	...	...
	United Kingdom	45	...	...	173	...	...
Electrolytic (25#)	United States	30	...	...	148	...	...
(50#)	United States	...	...	...	...	...	...
Waste waste	United States	...	...	...	...	...	...
Terne plate--Long	United States	380	...	...	3,134	...	...
	United Kingdom	...	...	...	8	...	...
Short	United States	169	...	...	951	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	Sweden	...	...	...	...	...	2.5
	France	...	...	...	31	...	...
	United States	1,083	114	.9	6,891	198	28.2
	Belgium	79	...	...	575	...	...
	United Kingdom	55	...	...	875	3	11.5
Lighter than 18 gauge	United States	160	...	23.4	1,043	...	147.6
	United Kingdom	...	...	...	1	...	...
For cold rolling	United States	144	...	...	1,293	...	...
Painted	United States	242	...	...	2,491	...	...
	United Kingdom	...	...	...	11	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	157	...	...	479	...	...
For saws	United States	6	17	...	47	193	...
	United Kingdom	...	...	...	...	13	...
	Sweden	...	...	...	...	2	...
For motor vehicles	United States	1,306	...	...	9,745	...	...
For hoops	United States	82	...	...	691	...	...
	United Kingdom	55	...	...	415	...	...
For tubes	United States	...	...	...	...	...	...
For tubular products	United States	54	...	...	175	...	...
For butt hinges	United States	...	...	...	4	...	...
Silicon .075 or more	United States	...	478	...	...	2,383	...
Cold rolled -							
18 gauge and heavier	United Kingdom	1	...	...	41	...	.1
	United States	44	4	32.1	1,834	33	206.8
	Belgium	...	...	...	19	...	...
	Sweden	...	...	...	...	...	.2
Lighter than 18 gauge	United States	307	4	155.4	2,850	6	820.9
	Sweden	6	...	...	160	...	...
	United Kingdom	59	...	...	183	...	1.0
Painted	United States	117	...	...	1,580	...	...
	Germany	2	...	...	23	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	1	...	...	180	...	...
	United Kingdom	...	...	...	5	...	...
For saws	United States	...	11	...	...	53	...
	Sweden	...	9	...	...	19	...
For tubes	United States	200	...	...	2,081	...	.3
For tubular products	United States	119	...	...	678	...	...
For butt hinges	United States	34	...	...	523	...	...
	Sweden	...	...	...	...	...	...
Silicon .075 or more	United States	...	4	...	...	671	...
For hoops	United States	...	...	...	57	...	...
Galvanized strip	United States	463	...	...	3,798	...	...
	United Kingdom	...	...	...	24	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July, 1950 and Year to Date (Continued)

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Skelp -							
15 3/8" and under in width	United States	8,614	...	...	59,331	...	...
	United Kingdom	1,527	...	...	9,053	...	...
	Belgium	...	...	...	12,307	...	...
Over 15 3/8" in width	United States	869	...	...	6,385	...	...
Pipes and tubes -							
Cast	United States	456	...	.1	560	...	.2
	United Kingdom	489	...	...	6,874	...	...
Bedstead	United States	2	...	...	140	...	...
Repair of pressure parts of boilers-							
Hot finished	United States	490	...	...	1,821	137	1.7
	United Kingdom	110	...	...	497	...	...
Cold drawn	United States	51	...	...	896	58	...
	United Kingdom	...	...	...	63	...	...
Welded	United States	...	...	1.9	381	...	2.7
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	...	...	...
Cold drawn	United States	...	...	...	...	...	...
Seamless, 12" and under in diameter-							
Cold drawn	United States	371	5	20.0	2,778	87	97.0
	United Kingdom	66	...	7.8	275	9	28.8
	Sweden	...	...	...	...	...	...
Hot finished	United States	86	190	...	2,340	1,387	.3
	United Kingdom	345	...	...	4,248	...	...
	Sweden	81	...	...	81	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	737	...	...	1,296	32	28.1
	United Kingdom	...	...	...	4,788	...	...
Welded, 4" and under in diameter. .	United States	663	...	.5	3,845	1	16.6
	United Kingdom	464	...	...	2,997	...	...
	Occupied Japan	...	...	...	...	...	...
	Belgium	30	...	...	30	...	...
Welded, over 4" in diameter	United States	9,869	...	.6	71,101	11	2.2
	United Kingdom	...	...	...	892	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	43	...	...	258	...	...
Special welded	United States	607	...	...	1,409	...	...
Casings	United States	1,290	...	...	16,318	...	...
	France	...	...	...	...	...	...
	United Kingdom	151	...	...	765	...	...
Fittings and couplings	United States	224	...	.8	1,470	...	20.6
	United Kingdom	1	...	...	16	...	...
Wire rope							
	United States	44	...	.1	389	...	2.4
	United Kingdom	13	...	...	232	...	...
	Germany	...	...	...	27	...	...
	Holland	2	...	...	2	...	...
Wire for rope	United States	367	...	...	4,243	...	1.7
	United Kingdom	642	...	...	4,371	...	...
Wire -							
For corset laces, steels, etc. ...	United States	1	...	...	50	...	...
	United Kingdom	...	...	...	4	...	...
For spring mattress, etc.	United States	169	...	...	1,377	...	...
	United Kingdom	...	...	...	1	...	...
For fencing, galvanized	United States	20	...	...	21	...	...
Wire cloth and netting	United States	44	...	.2	395	4	7.6
	United Kingdom	69	...	...	246	...	...
Wire, coated	United States	76	...	...	327	...	...
	United Kingdom	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July, 1950 and Year to Date (Concluded)

Table 14 - Imports of Primary Forms of Iron and Steel, July, 1935 and Year to Date (Continued)							
Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wire, all other	United States	122	...	3.7	2,315	19	25.3
	United Kingdom	...	...	...	25	...	...
	Germany	...	...	...	2	...	...
	Sweden	...	...	...	1	...	...
Wire rods, not over 3/8" in diameter.	United States	25	...	...	183	...	...
	Germany	...	...	...	54	...	...
	Sweden	...	...	...	23	...	...
	France	277	...	...	377	...	...
	Belgium	...	...	...	832	...	...
Welding wire and welding rods	United States	8	10	2.5	325	134	44.9
Castings -							
For agricultural implements	United States	146	...	...	1,178	...	...
For ingot moulds	United States	1,779	...	...	10,838	...	...
Malleable	United States	19	...	...	229	...	...
Non-malleable	United States	80	...	...	1,244	...	...
Steel	United States	111	18	...	285	87	1.1
	Norway	...	...	...	84	...	7.0
	United Kingdom	...	...	...	1	...	...
For railway vehicles	United States	...	...	...	192	...	...
Rolls	United States	5	5	...	886	366	...
	United Kingdom	...	...	...	26	177	...
Piston rings (rough)	United States	23	...	...	173	...	...
Forgings	United States	49	13	...	650	235	...
	United Kingdom	21	98	...	472	670	...
Axles - For railway vehicles	United States	6	...	...	57	...	...
Wheels - For railway rolling stock ..	United States	16	...	...	215	...	...
	United Kingdom	899	...	...	3,424	...	...
Tires -							
For railway rolling stock	United States	61	...	...	409	...	...
	United Kingdom	111	...	...	1,170	...	...
Rails -							
60 lb. and under	Belgium	120	...	...	261	...	...
	United States	1	...	...	54	...	...
Over 60 lb. and including 100 lb. .	United States	31	...	...	629	...	...
	United Kingdom	3,889	...	...	6,645	...	...
Over 100 lb.	United States	...	...	...	18	...	...
Grooved for electric tramways	United States	...	...	...	...	...	...
Track material -							
Angles, bars, tie plates, rail joints	Belgium	4	...	...	9	...	...
	United States	89	...	...	841	...	...
	United Kingdom	492	...	...	998	...	...
Intersections, switches, frogs	United States	...	...	...	70	...	...
Total Imports	United States	67,999	2,882	537.6	437,458	21,589	3,760.5
	All other	31,061	343	175.2	121,574	2,285	620.9
TOTAL		99,060	3,225	712.8	559,032	23,874	4,381.4

Table 15 - Exports of Primary Iron and Steel, July, 1950 and Year to Date

	July	Year to date
	(Tons of 2,000 pounds)	
Pig iron	23,583	109,789
Ingots, blooms and billets	13,574	69,859
Bars	464	8,015
Rods .....	...	54
Plates, sheets and strips	2,775	15,830
Rails .....	...	11,119
Structural shapes	283	1,268
Pipe and tubing - Wrought iron ..	65	301
Cast iron	94	906
Galvanized	428	4,964
Other	42	167
Castings, iron and steel	1,129	6,396
Forgings	53	405



DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
OTTAWA

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28
Vol. 5-No. 8

Price 25 cents

PRIMARY IRON AND STEEL

AUGUST - 1950

Pig iron - Production of pig iron in Canada amounted to 201,830 tons in August compared with 180,115 tons in the corresponding month of last year. The total for the current month included 151,831 tons of basic iron, 14,160 tons of foundry iron and 35,839 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in August amounted to 19,018 tons compared with 16,118 tons in the previous month and with 12,562 tons in August of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during August totalled 281,312 tons compared with 248,749 tons in August of last year. Output in the month under review included 275,099 tons of ingots and 6,213 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During July and August, 1950

	J u l y			A u g u s t		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron -</u>						
Basic	146,802	14,200	161,002	147,433	4,398	151,831
Foundry	881	13,036	13,917	200	13,960	14,160
Malleable .....	...	19,097	19,097	815	35,024	35,839
Total Pig Iron	147,683	46,333	194,016	148,448	53,382	201,830
<u>Ferro-alloys</u> .....	...	16,118	16,118	...	19,018	19,018

Table 2 - Cumulative Production for the Eight Months Ended August, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron -</u>						
Basic	1,196,490	55,998	1,252,488	1,123,734	46,444	1,170,178
Foundry	2,740	126,494	129,234	2,248	132,213	134,461
Malleable .....	...	108,845	108,845	1,038	192,359	193,397
Total Pig Iron	1,199,230	291,337	1,490,567	1,127,020	371,016	1,498,036
<u>Ferro-alloys</u> .....	...	157,286	157,286	...	114,590	114,590

Table 3 - Iron Blast Furnace Charges During July and August, 1950 and Eight Months Ended August, 1950

	J u l y	A u g u s t	Eight months ended August
	(Net tons of 2,000 pounds)		
Iron ore	347,052	354,802	2,690,205
Mill cinder, scale, sinter, etc. .	37,936	41,117	276,231
Limestone	71,270	77,634	557,013
Dolomite	12,465	10,852	99,015
Coke	171,904	185,008	1,392,204
Scrap iron and steel	8,960	7,275	60,571

NOTE:- This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	14	2,745,000

Table 5 - Description of Iron Blast Furnaces at end of August, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	12	2,554,950	93.1
Banked .....	...	...	...
Blown out	2	190,050	6.9
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During July and August, 1950

	J u l y			A u g u s t		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - basic	203,874	17,267	221,141	214,618	12,716	227,334
Electric	32,477	5,407	37,884	41,212	6,553	47,765
Total Steel Ingots ...	236,351	22,674	259,025	255,830	19,269	275,099
Alloy steel ingots included in above	16,205	...	16,205	11,514	...	11,514
<u>Steel Castings</u>						
Open hearth - basic	115	856	971	156	1,398	1,554
Converter	1	30	31	1	30	31
Electric	1,175	2,988	4,163	833	3,795	4,628
Total Steel Castings .	1,291	3,874	5,165	990	5,223	6,213
Alloy steel castings included in above	682	646	1,328	432	824	1,256
TOTAL INGOTS AND CASTINGS	237,642	26,548	264,190	256,820	24,492	281,312

Table 7 - Cumulative Production for the Eight Months Ended August, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - basic	1,746,336	90,250	1,836,586	1,736,998	102,958	1,839,956
Electric	252,594	3,245	255,839	290,987	53,246	344,233
Total Steel Ingots ...	1,998,930	93,495	2,092,425	2,027,985	156,204	2,184,189
Alloy steel ingots included in above	95,656	...	95,656	125,996	...	125,996
<u>Steel Castings</u>						
Open hearth - basic	1,470	19,681	21,151	1,342	11,207	12,549
Converter	15	57	72	7	117	124
Electric	9,447	40,525	49,972	9,662	28,002	37,664
Total Steel Castings .	10,932	60,263	71,195	11,011	39,326	50,337
Alloy steel castings included in above	3,992	7,018	11,010	5,015	7,063	12,078
TOTAL INGOTS AND CASTINGS	2,009,862	153,758	2,163,620	2,038,996	195,530	2,234,526

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Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During July and August, 1950, and Eight Months Ended August, 1950

	J u l y	August	Eight months ended August
	(Net tons of 2,000 pounds)		
Pig iron	140,999	143,449	1,115,882
Scrap - Own make	72,221	80,380	648,920
Purchased	72,322	81,641	636,999

Table 9 - Steel Furnace Capacity at end of August, 1950

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings ...	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

Table 10. Monthly Production of Pig Iron, Ferro-alloys and Steel, 1947 and 1950					
Month	Pig iron	Ferro-alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,368	97,562	3,186,930
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
Total - Eight months	1,498,036	114,590	2,184,189	50,337	2,234,526

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 221,995 net tons in August, 1950 compared with 221,792 tons in July, 1950. The August shipments included 13,285 tons of semi-finished shapes, 8,043 tons of structurals, 10,691 tons of plates, 20,480 tons of rails, 7,827 tons of tie plates and track material, 36,496 tons of hot rolled bars, 19,876 tons of pipes and tubes, 24,296 tons of wire rods, 12,803 tons of black sheets, 8,002 tons of galvanized sheets, 5,518 tons of castings, and 11,404 tons of other rolled products. The amount of producers' interchange was 118,809 tons in August as against 125,607 tons in July, 1950.

Primary steel shapes (concluded) -

Of the amounts shipped for sale during August, 37,868 tons went direct to railways and railway car shops; 13,820 tons went to pressing, forming and stamping plants; 28,732 tons to merchant trade products; 29,471 tons to building construction; 24,242 tons to the containers industry; 7,978 tons to agricultural equipment; 15,449 tons to the automotive industry; 8,557 tons to machinery plants; 950 tons to shipbuilding; 8,345 tons to mining, lumbering, etc., and 1,135 tons to miscellaneous industries; wholesalers and warehousing accounted for 26,713 tons, and exports for 17,793 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 118,809 tons in August, 1950.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, August, 1950

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	11,087	3,721	6,386
Other semi-finished shapes, not for re-rolling by makers	42,120	13,285	25,967
Structural shapes and piling	7,428	8,043	...
Plates	11,200	10,499	...
Rails	26,057	20,480	...
Tie plates and track material: Splice bars ...	1,465	1,516	...
Tie plates	5,281	5,234	...
Spikes	1,201	1,077	...
Concrete reinforcing bars	10,157	7,952	...
Hot rolled bars for cold finishing	1,843	...	1,816
Other hot rolled bars	42,136	28,989	6,243
Pipes and tubes	16,195	19,876	2
Wire rods	25,588	24,200	72
Hot rolled black sheets	67,229	14,415	52,690
Cold reduced black sheets	15,674	12,803	3,464
Galvanized sheets	8,056	8,002	...
Steel castings	4,932	4,193	...
Miscellaneous hot rolled products	31,054	3,266	21,875
All other products	25,328	24,118	...
Total - Carbon Steel	354,031	211,669	118,515
<u>Alloy Steel</u>			
Billets, etc., for forging	885	827	...
Other semi-finished shapes, not for re-rolling by makers	255	...	255
Structural shapes and piling .....	...	...	...
Plates	109	192	...
Rails .....	...	...	...
Tie plates and track material - Splice bars ..	...	...	...
Tie plates ...	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,003	7,507	39
Pipes and tubes .....	...	...	...
Wire rods	98	96	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,457	1,325	...
Miscellaneous hot rolled products	97	186	...
All other products	190	193	...
Total - Alloy Steel	10,094	10,326	294

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

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Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eight Months Ended August, 1950

August, 1950

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	100,761	37,330	61,731
Other semi-finished shapes, not for re-rolling by makers	291,885	58,678	226,508
Structural shapes and piling	101,020	91,110	...
Plates	100,023	100,797	27
Rails	221,618	218,090	...
Tie plates and track material - Splice bars ..	15,013	15,355	...
Tie plates ...	32,868	32,058	...
Spikes	12,638	13,064	...
Concrete reinforcing bars	58,236	58,302	...
Hot rolled bars for cold finishing	8,950	68	8,813
Other hot rolled bars	323,012	263,227	56,614
Pipes and tubes	165,271	159,933	11
Wire rods	190,139	190,266	713
Hot rolled black sheets	432,057	91,018	339,110
Cold reduced black sheets	120,700	105,191	17,925
Galvanized sheets	64,952	64,654	...
Steel castings	36,511	33,731	...
Miscellaneous hot rolled products	250,080	28,296	204,570
All other products	174,865	172,385	7
Total - Carbon Steel	2,700,599	1,733,553	916,029
<u>Alloy Steel</u>			
Billets, etc., for forging	5,377	4,846	...
Other semi-finished shapes, not for re-rolling by makers	4,073	...	4,073
Structural shapes and piling .....	...	...	...
Plates	1,151	1,058	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	60,287	58,594	389
Pipes and tubes .....	...	...	...
Wire rods	567	561	...
Steel castings	13,320	12,642	...
Miscellaneous hot rolled products	1,463	1,504	...
All other products	1,720	1,799	2
Total - Alloy Steel	87,958	81,004	4,464

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, August and Year to Date, 1950

	A u g u s t		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	8,527	6,922	69,492	53,385
Agricultural, including farm machinery .	7,855	123	80,946	794
Building construction	29,448	23	228,146	420
Containers industry	24,238	4	165,230	51
Machinery and tools	8,041	516	68,138	4,908
Merchant trade products	28,397	335	231,196	2,175
Mining, lumbering, etc.	7,720	625	88,512	5,184
National defence	18	4	2,463	63
Pressing, forming and stamping	13,679	141	123,913	717
Public works and utilities	887	33	8,548	358
Railway operating	32,990	147	311,073	1,364
Railway cars and locomotives	4,645	86	27,918	606
Shipbuilding	927	23	18,680	242
Miscellaneous and unclassified	1,009	126	7,821	871
Wholesalers and warehouses	26,584	129	193,775	989

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Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, August and Year to Date, 1950 (Concluded)

	A u g u s t		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Direct export (a) To British Empire	440	26	9,581	395
(b) To other countries ...	16,264	1,063	98,121	8,482
Total Shipped for Sale	211,669	10,326	1,733,553	81,004
Producers' interchange	118,515	294	916,029	4,464

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1950 and Year to Date

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1950 and Year to Date							
Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	Germany	3,528	...	...	3,528	...	...
	Netherlands	...	...	...	56	...	...
	United States	34	...	...	201	...	...
	United Kingdom	...	...	...	56	...	...
Foundry	United States	152	...	...	268	...	...
	United Kingdom	...	...	...	2,923	...	...
	Germany	...	...	...	7,392	...	...
Malleable	United States	456	...	...	1,757	...	...
Charcoal	Sweden	...	...	...	56	...	...
Special	United States	...	...	...	1,131	...	...
Ingots	United States	...	20	...	598	161	...
Billets, blooms, slabs and sheet bars	United States	18	4	...	117	91	1.4
	Belgium	...	...	...	112	...	...
Tube rounds and tube billets	United States	49	...	...	1,282	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	1,653	96	6.8	18,426	1,112	98.3
	United Kingdom	397	.18	5.6	804	90	78.7
	Belgium	1,200	...	...	3,659	...	...
	Sweden	...	...	...	3	...	...
Hot rolled -							
For agricultural implements	United States	108	8	...	1,823	12	...
	United Kingdom	2	...	...	38	...	...
Rounds over 4 $\frac{7}{8}$ " , squares over 4".	United States	76	5	...	587	25	.2
	United Kingdom	17	7	...	249	12	.7
Angles, channels, etc.	United States	168	...	3.5	1,161	2	23.2
	Germany	...	...	...	11	...	...
	Belgium	140	...	...	749	...	...
	United Kingdom	...	...	1.8	30	...	3.8
Structurals (bar sizes) for agri- cultural implements	United States	72	...	...	531	...	...
	United Kingdom	3	...	...	3	...	...
Sash or casement sections	United States	206	...	...	971	...	...
	Belgium	...	...	...	41	...	...
	United Kingdom	...	...	...	69	...	...
Cold rolled, n.o.p.	United States	399	22	1.3	2,512	128	18.9
	United Kingdom	278	...	.4	753	1	16.1
	Germany	...	...	...	...	1	...
Cold rolled, for agricultural implements	United States	177	...	...	3,879	125	...
Tool steel	United States	5	33	...	83	263	...
	United Kingdom	32	27	...	883	274	...
	Austria	...	...	...	2	...	...
	Sweden	...	...	...	1	...	...
Structurals	United States	8,425	84,201	...	5.1
	United Kingdom	441	5,128
	Belgium	1,313	6,335
	France	393	393

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Table 14 - Imports of Primary Forms of Iron and Steel, August, 1950 and Year to Date (Continued)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Plates -							
78" and under in width	United States	2,087	2	40.6	10,002	36	194.5
	United Kingdom	1,746	...	7.3	9,912	4	122.6
	Belgium	119	...	...	787	...	...
	France	252	...	...	336	...	...
	West Germany	...	...	...	21	...	...
Over 78" and under 100" in width ..	United States	2,300	...	7.7	9,200	283	21.7
	United Kingdom	3,669	...	...	15,925	5	.2
100" in width and over	United States	358	...	...	2,169	...	7.2
	United Kingdom	31	...	10.1	135	...	10.9
Flanged, dished or curved	United States	150	...	8.5	958	...	8.7
Boiler, pulp-mill digesters	United States	232	...	.6	2,381	...	9.6
	United Kingdom	35	...	...	516	...	...
Chequered or surface pattern	United States	264	...	...	2,893	...	...
	United Kingdom	...	...	...	153	...	...
Painted	United States	...	...	...	27	...	...
For saws	United States	2	1	...	2	5	...
Sheets -							
Silicon .075 or more	United States	...	1,397	...	...	14,404	...
	United Kingdom	...	204	...	...	1,238	...
Galvanized	United States	502	...	...	6,455	...	...
	United Kingdom	653	...	...	5,940	...	...
Hot rolled -							
18 gauge and heavier	United States	9,253	1	14.4	38,343	17	230.4
	Belgium	129	...	...	1,164	...	...
	United Kingdom	259	...	20.7	1,218	...	355.0
Lighter than 18 gauge	United States	154	...	10.7	1,283	3	151.5
	United Kingdom	...	...	3.1	1,344	1	18.0
For hollow ware (vitreous enamel)	United States	89	...	...	273	...	...
Corrugated	United States	459	...	...	2,908	...	...
	United Kingdom	...	...	...	26	...	...
Coated with paint, tar, asphaltum, etc.	United Kingdom	...	...	...	16	...	...
	United States	90	...	...	1,600	...	...
For saws	United States	1	33	...	124	372	...
	United Kingdom	...	1	...	...	15	...
For cold rolled strip	United States	26	...	...	237	...	...
	United Kingdom	11	...	...	11	...	...
Shaped for agricultural implements	United States	...	...	...	738	60	...
For tubes	United States	57	...	...	138	...	...
Cold rolled -							
18 gauge and heavier	United States	993	...	119.4	5,599	...	1,014.1
	United Kingdom	63	...	...	114	...	.1
Lighter than 18 gauge	United States	2,240	...	204.6	15,568	...	937.6
	United Kingdom	167	...	...	272	...	12.7
For hollow ware (vitreous enamel)	United States	599	...	...	6,652	...	...
	United Kingdom	153	...	...	724	...	...
Black plate - Tin mill	United States	43	...	...	237	...	...
Coated with paint, tar, asphaltum, etc.	United States	17	...	...	194	...	...
For heating apparatus	United States	...	...	...	161	...	...
For saws	Sweden	...	1	...	...	9	...
	United States	...	...	...	1	17	...
For tubes	United States	568	...	...	3,502	...	...
For butt hinges	United States	19	...	...	19	...	...
Tin plate--Primes	United States	...	...	...	172	...	...
	United Kingdom	44	...	...	217	...	...
Electrolytic (25#)	United States	20	...	...	168	...	...
Terne plate--Long	United States	447	3,581
	United Kingdom	8
Short	United States	107	1,058

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Table 14 - Imports of Primary Forms of Iron and Steel, August, 1950 and Year to Date (Continued)

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1950 and Year to Date (Continued)							
Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	Sweden	...	...	...	...	...	2.5
	France	...	...	...	31	...	...
	United States	592	...	22.0	7,483	198	50.2
	Belgium	116	...	...	691	...	...
	United Kingdom	158	...	...	1,033	3	11.5
Lighter than 18 gauge	United States	114	...	8.8	1,157	...	156.4
	United Kingdom	14	...	...	15	...	...
For cold rolling	United States	194	...	...	1,487	...	...
	United Kingdom	99	...	...	99	...	...
Painted	United States	218	...	...	2,709	...	...
	United Kingdom	...	...	...	11	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	125	...	...	604	...	...
For saws	United States	3	41	...	50	234	...
	United Kingdom	...	...	...	...	13	...
	Sweden	...	...	...	...	2	...
For motor vehicles	United States	1,579	6	...	11,324	6	...
For hoops	United States	...	...	...	691	...	...
	United Kingdom	39	...	...	454	...	...
For tubular products	United States	...	...	...	175	...	...
For butt hinges	United States	...	...	...	4	...	...
Silicon .075 or more	United States	...	151	...	...	2,534	...
Cold rolled -							
18 gauge and heavier	United Kingdom	9	...	...	50	...	.1
	United States	282	1	24.3	2,116	34	231.1
	Belgium	...	...	...	19	...	...
	Sweden	...	...	...	...	...	.2
Lighter than 18 gauge	United States	319	...	78.9	3,169	6	899.8
	Sweden	2	...	...	162	...	...
	United Kingdom	14	...	...	197	...	1.0
Painted	United States	104	...	...	1,684	...	...
	Germany	11	...	...	34	...	...
	United Kingdom	10	...	...	10	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	29	...	...	209	...	...
	United Kingdom	...	...	...	5	...	...
For saws	United States	...	3	...	...	56	...
	Sweden	...	4	...	...	23	...
For tubes	United States	353	...	...	2,434	...	.3
For tubular products	United States	71	...	...	749	...	...
For butt hinges	United States	63	...	...	586	...	...
Silicon .075 or more	United States	...	6	...	...	677	...
For hoops	United States	...	...	...	57	...	...
Galvanized strip	United States	389	...	...	4,187	...	...
	United Kingdom	22	...	...	46	...	...
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	7,793	...	...	67,124	...	...
	United Kingdom	...	...	...	9,053	...	...
	Belgium	...	...	...	12,307	...	...
Over 15 $\frac{3}{8}$ " in width	United States	1,345	...	...	7,730	...	...
Pipes and tubes -							
Cast	United States	207	...	...	767	...	.2
	United Kingdom	497	...	...	7,371	...	...
Bedstead	United States	...	...	...	140	...	...
Repair of pressure parts of boilers- Hot finished	United States	186	3	...	2,007	140	1.7
	United Kingdom	168	...	...	665	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1950 and Year to Date (Continued)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes - (concluded)							
Repair of pressure parts of boilers-							
Cold drawn	United States	80	...	...	976	58	...
	United Kingdom	17	...	...	80	...	...
Welded	United States	5	...	...	386	...	2.7
Seamless, 12" and under in diameter-							
Cold drawn	United States	252	21	29.4	3,030	108	126.4
	United Kingdom	129	...	5.4	404	9	34.2
Hot finished	United States	401	271	...	2,741	1,658	.3
	United Kingdom	1,523	...	...	5,771	...	...
	Sweden	...	...	...	81	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	103	...	...	1,399	32	28.1
	United Kingdom	...	...	...	4,788	...	...
Welded, 4" and under in diameter ..	United States	403	...	4.0	4,248	1	20.6
	United Kingdom	848	...	...	3,845	...	...
	Belgium	...	...	...	30	...	...
Welded, over 4" in diameter	United States	21,813	...	.1	92,914	11	2.3
	United Kingdom	...	...	...	892	...	...
Tubing -							
Not over ½" diameter, welded and coated	United States	26	...	...	284	...	...
Special welded	United States	458	...	...	1,867	...	...
Casings	United States	2,249	...	...	18,567	...	...
	United Kingdom	1,458	...	...	2,223	...	...
Fittings and couplings	United States	269	...	4.1	1,739	...	24.7
	United Kingdom	...	...	...	16	...	...
Wire rope	United States	38	...	...	427	...	2.4
	United Kingdom	108	...	...	340	...	...
	Holland	...	...	...	2	...	...
	Germany	21	...	...	48	...	...
Wire for rope	United States	303	...	.6	4,546	...	2.3
	United Kingdom	589	...	...	4,960	...	...
Wire -							
For corset laces, steels, etc.	United States	11	...	...	61	...	...
	United Kingdom	...	...	...	4	...	...
For spring mattress, etc.	United States	219	...	...	1,596	...	...
	United Kingdom	...	...	...	1	...	...
For fencing, galvanized	United States	30	...	...	51	...	...
Wire cloth and netting	United States	23	...	.1	418	4	7.7
	United Kingdom	11	...	...	257	...	...
Wire, coated	United States	40	...	...	367	...	...
Wire, all other	United States	178	...	1.7	2,493	19	27.0
	United Kingdom	2	...	...	27	...	...
	Germany	...	...	...	2	...	...
	Sweden	...	...	...	1	...	...
Wire rods, not over ⅜" in diameter ..	United States	183	...	...	366	...	...
	Germany	...	...	...	54	...	...
	Sweden	...	...	...	23	...	...
	France	...	...	...	377	...	...
	Belgium	...	...	...	832	...	...
Welding wire and welding rods	United States	3	2	6.5	328	136	51.4
Castings -							
For agricultural implements	United States	86	...	...	1,264	...	...
For ingot moulds	United States	1,844	...	...	12,682	...	...
	United Kingdom	23	...	...	23	...	...
Malleable	United States	42	...	...	271	...	...
Non-malleable	United States	120	...	...	1,364	...	...

Primary Iron and Steel

- 10 -

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1950 and Year to Date (Concluded)

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1928 and Year to Date (concluded)							
Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings - (concluded)							
Steel	United States	53	13	.3	338	100	1.4
	Norway	...	...	...	84	...	7.0
	United Kingdom	...	...	...	1	...	...
For railway vehicles	United States	...	...	...	192	...	...
Rolls	United States	138	30	...	1,024	396	...
	United Kingdom	...	...	...	26	177	...
Piston rings (rough)	United States	11	...	...	184	...	...
Forgings							
	United States	94	8	...	744	243	...
	United Kingdom	211	45	5.0	683	715	5.0
Axles - For railway vehicles	United States	16	...	...	73	...	...
Wheels - For railway rolling stock ..	United States	1	...	...	216	...	...
	United Kingdom	218	...	...	3,642	...	...
Tires -							
For railway rolling stock	United States	32	...	...	441	...	...
	United Kingdom	482	...	...	1,652	...	...
Rails -							
60 lb. and under	Belgium	188	...	...	449	...	...
	United States	20	...	...	74	...	...
Over 60 lb. and including 100 lb. .	United States	111	...	...	740	...	...
	United Kingdom	1,142	...	...	7,787	...	...
Over 100 lb.	United States	26	...	...	44	...	...
Grooved for electric tramways	United States	80	...	...	80	...	...
Track material -							
Angles, bars, tie plates, rail joints	Belgium	10	...	...	19	...	...
	United States	30	...	...	871	...	...
	United Kingdom	101	...	...	1,099	...	...
Intersections, switches, frogs	United States	12	...	...	82	...	...
Total Imports	United States	76,844	2,178	598.9	514,302	23,767	4,359.4
	All other	23,315	307	59.4	144,889	2,592	680.3
TOTAL		100,159	2,485	658.3	659,191	26,359	5,039.7

Table 15 - Exports of Primary Iron and Steel, August, 1950 and Year to Date

	August	Year to date
	(Tons of 2,000 pounds)	
Pig iron	15,280	125,069
Ingots, blooms and billets	9,465	79,324
Bars	321	8,336
Rods	84	138
Plates, sheets and strips	1,540	17,370
Rails .....	...	11,119
Structural shapes	60	1,328
Pipe and tubing - Wrought iron	55	356
Cast iron	32	938
Galvanized	105	5,069
Other	1	167
Castings, iron and steel	1,009	7,405
Forgings	41	446



DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

OTTAWA

UNIVERSITY OF TORONTO

DEPT. OF TRADE AND COMMERCE

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28
Vol. 5-No. 9

Price 25 cents

PRIMARY IRON AND STEELSEPTEMBER - 1950

Pig iron - Production of pig iron in Canada amounted to 199,415 tons in September compared with 168,436 tons in the corresponding month of last year. The total for the current month included 144,834 tons of basic iron, 35,980 tons of foundry iron and 18,601 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in September amounted to 17,765 tons compared with 19,018 tons in the previous month and with 12,250 tons in September of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during September totalled 274,947 tons compared with 240,748 tons in September of last year. Output in the month under review included 266,997 tons of ingots and 7,950 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During August and September, 1950

	<u>A u g u s t</u>			<u>S e p t e m b e r</u>		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron -</u>						
Basic	147,433	4,398	151,831	141,241	3,593	144,834
Foundry	200	13,960	14,160	242	35,738	35,980
Malleable	815	35,024	35,839	...	18,601	18,601
Total Pig Iron	148,448	53,382	201,830	141,483	57,932	199,415
<u>Ferro-alloys</u> .....	...	19,018	19,018	...	17,765	17,765

Table 2 - Cumulative Production for the Nine Months Ended September, 1949 and 1950

	<u>1 9 4 9</u>			<u>1 9 5 0</u>		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron -</u>						
Basic	1,326,271	57,668	1,383,939	1,264,975	50,037	1,315,012
Foundry	3,390	150,549	153,939	2,490	167,951	170,441
Malleable .....	...	121,125	121,125	1,038	210,960	211,998
Total Pig Iron	1,329,661	329,342	1,659,003	1,268,503	428,948	1,697,451
<u>Ferro-alloys</u> .....	...	169,536	169,536	...	132,355	132,355

Table 3 - Iron Blast Furnace Charges During August and September, 1950 and Nine Months Ended September 1950

	<u>August</u>	<u>September</u>	<u>Nine months ended September</u>
	(Net tons of 2,000 pounds)		
Iron ore	354,802	355,119	3,045,324
Mill cinder, scale, sinter, etc. ..	41,117	38,685	314,916
Limestone	77,634	75,849	632,862
Dolomite	10,852	12,045	110,060
Coke	185,008	183,758	1,572,962
Scrap iron and steel	7,275	8,072	68,643

NOTE:- This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	14	2,745,000

Table 5 - Description of Iron Blast Furnaces at end of September, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	12	2,554,950	93.2
Banked .....	...	...	...
Blown out	2	190,050	6.8
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During August and September, 1950

Table 8 - Production During August and September, 1955

	A u g u s t			S e p t e m b e r		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - basic	214,618	12,716	227,334	203,753	14,822	218,575
Electric	41,212	6,553	47,765	42,583	5,839	48,422
Total Steel Ingots ...	255,830	19,269	275,099	246,336	20,661	266,997
Alloy steel ingots included in above	11,514	...	11,514	15,616	...	15,616
<u>Steel Castings</u>						
Open hearth - basic	156	1,398	1,554	147	1,898	2,045
Converter	1	30	31	1	27	28
Electric	833	3,795	4,628	1,084	4,793	5,877
Total Steel Castings .	990	5,223	6,213	1,232	6,718	7,950
Alloy steel castings included in above	432	824	1,256	607	1,001	1,608
TOTAL INGOTS AND CASTINGS	256,820	24,492	281,312	247,568	27,379	274,947

Table 7 - Cumulative Production for the Nine Months Ended September, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - basic	1,945,304	94,455	2,039,759	1,940,751	117,780	2,058,531
Electric	281,122	4,426	285,548	333,570	59,085	392,655
Total Steel Ingots ...	2,226,426	98,881	2,325,307	2,274,321	176,865	2,451,186
Alloy steel ingots included in above	109,289	...	109,289	141,612	...	141,612
<u>Steel Castings</u>						
Open hearth - basic	1,679	22,492	24,171	1,489	13,105	14,594
Converter	19	57	76	8	144	152
Electric	10,597	44,217	54,814	10,746	32,795	43,541
Total Steel Castings .	12,295	66,766	79,061	12,243	46,044	58,287
Alloy steel castings included in above	4,617	8,011	12,628	5,622	8,064	13,686
TOTAL INGOTS AND CASTINGS	2,238,721	165,647	2,404,368	2,286,564	222,909	2,509,473

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During August and September and Nine Months Ended September, 1950

	August	September	Nine months ended September
	(Net tons of 2,000 pounds)		
Pig iron	143,449	137,164	1,253,046
Scrap - Own make	80,380	79,346	728,266
Purchased	81,641	82,273	719,272

Table 9 - Steel Furnace Capacity at end of September, 1950

	Annual capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings ...	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,368	97,562	3,186,930
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
Total - Nine months.	1,697,451	132,355	2,451,186	58,287	2,509,473

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 254,682 net tons in September, 1950 compared with 221,995 tons in August, 1950. The September shipments included 14,994 tons of semi-finished shapes, 11,254 tons of structurals, 14,139 tons of plates, 21,027 tons of rails, 7,253 tons of tie plates and track material, 45,259 tons of hot rolled bars, 21,136 tons of pipes and tubes, 23,770 tons of wire rods, 27,341 tons of black sheets, 9,163 tons of galvanized sheets, 7,679 tons of castings, and 15,710 tons of other rolled products. The amount of producers' interchange was 123,643 tons in September as against 118,809 tons in August, 1950.

Of the amounts shipped for sale during September, 42,862 tons went direct to railways and railway car shops; 16,180 tons went to pressing, forming and stamping plants; 29,455 tons to merchant trade products; 32,659 tons to building construction; 27,243 tons to the containers industry; 12,758 tons to agricultural equipment; 18,391 tons to the automotive industry; 12,335 tons to machinery plants; 1,096 tons to shipbuilding; 8,977 tons to mining, lumbering, etc., and 1,256 tons to miscellaneous industries; wholesalers and warehousing accounted for 29,537 tons, and exports for 20,785 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 123,643 tons in September, 1950.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, September, 1950

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	11,304	5,615	6,659
Other semi-finished shapes, not for re-rolling by makers	47,977	14,994	31,233
Structural shapes and piling	13,874	11,254	...
Plates	14,684	13,841	...
Rails	20,140	21,027	...
Tie plates and track material: Splice bars ...	28	266	...
Tie plates	5,495	5,827	...
Spikes	1,067	1,160	...
Concrete reinforcing bars	9,718	10,592	...
Hot rolled bars for cold finishing	1,062	...	1,192
Other hot rolled bars	42,651	39,022	6,347
Pipes and tubes	19,794	21,136	1
Wire rods	20,439	23,709	237
Hot rolled black sheets	62,040	13,647	49,892
Cold reduced black sheets	17,014	13,694	3,183
Galvanized sheets	8,650	9,163	...
Steel castings	6,112	5,943	...
Miscellaneous hot rolled products	27,970	4,910	24,131
All other products	25,848	28,479	184
Total - Carbon Steel	355,867	244,279	123,059
<u>Alloy Steel</u>			
Billets, etc., for forging	1,721	1,629	...
Other semi-finished shapes, not for re-rolling by makers	556	...	556
Structural shapes and piling .....	...	...	...
Plates	348	298	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,569	6,237	28
Pipes and tubes .....	...	...	...
Wire rods	78	61	...
Steel castings	1,829	1,736	...
Miscellaneous hot rolled products	240	208	...
All other products	307	234	...
Total - Alloy Steel	11,648	10,403	584

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Nine Months Ended September, 1950

	September, 1930 P r o d u c t i o n (Including producers' interchange)	S h i p m e n t s For saleProducers' interchange	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	112,065	42,945	68,390
Other semi-finished shapes, not for re-rolling by makers	339,862	73,672	257,741
Structural shapes and piling	114,894	102,364	...
Plates	114,707	114,638	27
Rails	241,758	239,117	...
Tie plates and track material - Splice bars ..	15,041	15,621	...
Tie plates ...	38,363	37,885	...
Spikes	13,705	14,224	...
Concrete reinforcing bars	67,954	68,894	...
Hot rolled bars for cold finishing	10,012	... (*)	10,005
Other hot rolled bars	365,663	302,249	62,961
Pipes and tubes	185,065	181,069	12
Wire rods	210,578	213,975	950
Hot rolled black sheets	494,097	104,665	389,002
Cold reduced black sheets	137,714	118,885	21,108
Galvanized sheets	73,602	73,817	...
Steel castings	42,623	39,674	...
Miscellaneous hot rolled products	262,982(*)	33,206	228,701
All other products	200,713	200,864	191
Total - Carbon Steel	3,041,398	1,977,764	1,039,088
<u>Alloy Steel</u>			
Billets, etc., for forging	7,098	6,475	...
Other semi-finished shapes, not for re-rolling by makers	4,629	...	4,629
Structural shapes and piling .....	...	...	...
Plates	1,499	1,356	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	66,856	64,831	417
Pipes and tubes .....	...	...	...
Wire rods	645	622	...
Steel castings	15,149	14,378	...
Miscellaneous hot rolled products	1,703	1,712	...
All other products	2,027	2,033	2
Total - Alloy Steel	99,606	91,407	5,048

(*) Revised.

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, September and Year to Date, 1950

	S e p t e m b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	13,065	5,326	82,557	58,711
Agricultural, including farm machinery .	12,670	88	93,616	882
Building construction	32,603	56	260,749	476
Containers industry	27,240	3	192,470	54
Machinery and tools	11,277	1,058	79,415	5,966
Merchant trade products	29,150	305	260,346	2,480
Mining, lumbering, etc.	8,212	765	96,724	5,949
National defence	260	3	2,723	66
Pressing, forming and stamping	16,082	98	139,995	815
Public works and utilities	848	37	9,396	395
Railway operating	34,968	209	346,041	1,573
Railway cars and locomotives	7,323	362	35,241	968
Shipbuilding	1,068	28	19,748	270
Miscellaneous and unclassified	1,106	150	8,927	1,021
Wholesalers and warehouses	29,420	117	223,127(*)	1,106

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, September and Year to Date, 1950 (Concluded)

	S e p t e m b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Direct export (a) to British Empire	386	8	9,967	403
(b) to other countries ...	18,601	1,790	116,722	10,272
Total Shipped for Sale	244,279	10,403	1,977,764(*)	91,407
Producers' interchange	123,059	584	1,039,088	5,048

(*) Revised.

Table 14 - Imports of Primary Forms of Iron and Steel, September, 1950 and Year to Date

Commodity		Country of origin	September			Year to date		
			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)								
Pig iron -								
Basic	Germany	9,126	...	...	12,654	...	...
	Netherlands	...	...	...	56	...	...
	United States	...	...	...	201	...	...
	United Kingdom	...	...	...	56	...	...
	Union of S.Africa	112	...	...	112	...	...
Foundry	United States	...	...	...	268	...	...
	United Kingdom	...	...	...	2,923	...	...
	Germany	...	...	...	7,392	...	...
Malleable	United States	68	...	...	1,825	...	...
Charcoal	Sweden	...	...	...	56	...	...
Special	United States	...	...	...	1,131	...	...
Ingots	United States	1,354	21	...	1,952	182	...	
Billets, blooms, slabs and sheet bars.	United States	3	55	...	120	146	1.4	
	Belgium	...	...	...	112	...	...
Tube rounds and tube billets	United States	...	...	...	1,282	...	...
Bars and sections -								
Hot rolled, n.o.p.	United States	2,341	308	7.9	20,767	1,420	106.2	
	United Kingdom	193	23	7.2	997	113	85.9	
	Belgium	1,636	...	...	5,295	...	...
	Sweden	11	...	...	14	...	...
Hot rolled -								
For agricultural implements	United States	612	...	...	2,435	12	...
	United Kingdom	1	...	...	39	...	...
Rounds over 4½", squares over 4" .	United States	34	5	1.0	621	30	1.2	
	United Kingdom	58	55	...	307	67	.7	
Angles, channels, etc.	United States	148	...	1.5	1,309	2	24.7	
	Germany	...	...	...	11	...	...
	Belgium	108	...	...	857	...	...
	United Kingdom	109	...	1.8	139	...	5.6	
Structurals (bar sizes) for agri- cultural implements	United States	191	...	...	722	...	...
	United Kingdom	5	...	...	8	...	...
Sash or casement sections	United States	80	...	...	1,051	...	...
	Belgium	...	...	...	41	...	...
	United Kingdom	...	...	...	69	...	...
Cold rolled, n.o.p.	United States	463	31	1.0	2,975	159	19.9	
	United Kingdom	457	...	1.8	1,210	1	17.9	
	Germany	...	...	...	...	1	...
	Belgium	1	...	...	1	...	...
Cold rolled, for agricultural implements	United States	504	...	...	4,383	125	...
Tool steel	United States	8	34	...	91	297	...	
	United Kingdom	47	22	...	930	296	...	
	Austria	...	...	...	2	...	...
	Sweden	...	...	...	1	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, September, 1950 and Year to Date (Continued)

Commodity	Country of origin	September			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and sections - (concluded)							
Structurals	United States	10,877	...	.1	95,078	...	5.2
	United Kingdom	879	...	...	6,007	...	...
	Belgium	2,498	...	...	8,833	...	...
	France	75	...	...	468	...	...
Plates -							
78" and under in width	United States	2,773	2	34.3	12,775	38	228.8
	United Kingdom	4,313	...	10.5	14,225	4	133.1
	Belgium	243	...	...	1,030	...	...
	Germany	...	...	...	21	...	...
	France	...	...	...	336	...	...
Over 78" and under 100" in width ...	United States	822	...	6.8	10,022	283	28.5
	United Kingdom	2,619	...	...	18,544	5	.2
100" in width and over	United States	494	...	38.3	2,663	...	45.5
	United Kingdom	...	...	...	135	...	10.9
Flanged, dished or curved	United States	100	...	9.0	1,058	...	17.7
Boiler, pulp-mill digesters	United States	538	...	19.0	2,919	...	28.6
	United Kingdom	18	...	...	534	...	...
Chequered or surface pattern	United States	297	...	...	3,190	...	...
	United Kingdom	113	...	...	266	...	...
Painted	United States	...	...	...	27	...	...
For saws	United States	...	...	...	2	5	...
Sheets -							
Silicon .075 or more	United States	...	1,782	...	...	16,186	...
	United Kingdom	...	78	...	...	1,316	...
Galvanized	United States	1,184	...	...	7,639	...	...
	United Kingdom	838	...	...	6,778	...	...
Hot rolled -							
18 gauge and heavier	United States	5,100	4	9.2	43,443	21	239.6
	Germany	359	...	...	359	...	...
	Belgium	747	...	...	1,911	...	...
	United Kingdom	265	...	34.3	1,483	...	389.3
Lighter than 18 gauge	United States	235	1	29.6	1,518	4	181.1
	United Kingdom	24	...	...	1,368	1	18.0
For hollow ware (vitreous enamel).	United States	312	...	...	585	...	...
Corrugated	United States	369	...	...	3,277	...	...
	United Kingdom	22	...	...	48	...	...
Coated with paint, tar, asphaltum, etc.	United Kingdom	...	...	...	16	...	...
	United States	82	...	...	1,682	...	...
For saws	United States	...	81	...	124	453	...
	United Kingdom	...	3	...	...	18	...
For cold rolled strip	United States	26	...	...	263	...	...
	United Kingdom	...	...	...	11	...	...
Shaped for agricultural implements	United States	...	...	...	738	60	...
For tubes	United States	87	...	...	225	...	...
Cold rolled -							
18 gauge and heavier	United States	1,083	...	214.0	6,682	...	1,228.1
	United Kingdom	148	...	15.1	262	...	15.2
Lighter than 18 gauge	United States	3,361	...	146.0	18,929	...	1,083.6
	United Kingdom	157	...	10.3	429	...	23.0
For hollow ware (vitreous enamel).	United States	952	...	...	7,604	...	...
	United Kingdom	100	...	...	824	...	...
Black plate - Tin mill	United States	...	...	...	237	...	...
Coated with paint, tar, asphaltum, etc.	United States	19	...	...	213	...	...
For heating apparatus	United States	...	...	...	161	...	...
For saws	Sweden	...	...	...	...	9	...
	United States	...	...	...	1	17	...

Table 14 - Imports of Primary Forms of Iron and Steel, September, 1950 and Year to Date (Continued)

		September			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Cold rolled -							
For tubes	United States	787	...	...	4,289	...	...
For butt hinges	United States	20	...	...	39	...	...
Tin plate--Primes	United States	328	...	...	500	...	...
	United Kingdom	33	...	...	250	...	...
Electrolytic (25#)	United States	20	...	...	188	...	...
Terne plate--Long	United States	396	...	...	3,977	...	...
	United Kingdom	...	...	...	8	...	...
Short	United States	94	...	...	1,152	...	...
	United Kingdom	9	...	...	9	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	Sweden	...	...	...	...	...	2.5
	France	...	...	...	31	...	...
	United States	919	307	4.3	8,402	505	54.5
	Belgium	88	...	...	779	...	...
	United Kingdom	132	...	...	1,165	3	11.5
Lighter than 18 gauge	United States	50	...	2.3	1,207	...	158.7
	United Kingdom	7	...	...	22	...	...
For cold rolling	United States	202	...	...	1,689	...	...
	United Kingdom	...	...	...	99	...	...
Painted	United States	408	...	...	3,117	...	...
	United Kingdom	...	...	...	11	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	7	...	...	611	...	...
For saws	United States	9	48	...	59	282	...
	United Kingdom	...	1	...	...	14	...
	Sweden	...	...	...	...	2	...
For motor vehicles	United States	1,551	5	...	12,875	11	...
For hoops	United States	40	...	...	731	...	...
	United Kingdom	49	...	...	503	...	...
For tubular products	United States	7	...	...	182	...	...
For butt hinges	United States	...	...	...	4	...	...
Silicon .075 or more	United States	...	234	...	...	2,768	...
	United Kingdom	...	22	...	...	22	...
Cold rolled -							
18 gauge and heavier	United Kingdom	27	...	...	77	...	.1
	United States	216	4	20.7	2,332	38	251.8
	Belgium	...	...	...	19	...	...
	Sweden	...	...	...	...	...	.2
Lighter than 18 gauge	United States	403	...	140.0	3,572	6	1,039.8
	Sweden	46	...	...	208	...	...
	United Kingdom	13	...	...	210	...	1.0
Painted	United States	127	...	...	1,811	...	...
	Germany	...	...	...	34	...	...
	United Kingdom	...	...	...	10	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	25	...	...	234	...	...
	United Kingdom	41	...	...	46	...	...
For saws	United States	...	5	...	...	61	...
	Sweden	...	15	...	...	38	...
For tubes	United States	318	...	...	2,752	...	.3
For tubular products	United States	116	...	...	865	...	...
For butt hinges	United States	28	...	...	614	...	...
Silicon .075 or more	United States	...	48	...	...	725	...
For hoops	United States	...	...	...	57	...	...
Galvanized strip	United States	542	...	...	4,729	...	...
	United Kingdom	8	...	...	54	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, September, 1950 and Year to Date (Continued)

Commodity	Country of origin	September			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	11,405	...	...	78,529	...	...
	United Kingdom	2,271	...	...	11,324	...	...
	Belgium	50	...	...	12,357	...	...
Over 15 $\frac{3}{8}$ " in width	United States	1,627	...	...	9,357	...	...
Pipes and tubes -							
Cast	United States	598	...	...	1,365	...	.2
	United Kingdom	679	...	...	8,050	...	...
	United States	12	...	...	152	...	...
Bedstead	United States	268	14	...	2,275	154	1.7
Repair of pressure parts of boilers-	United Kingdom	49	...	...	714	...	...
Hot finished	United States	11	...	1.9	987	58	1.9
	United Kingdom	...	...	...	80	...	...
	United States	41	...	...	427	...	2.7
Cold drawn	United States	334	25	10.4	3,364	133	136.8
	United Kingdom	42	...	12.0	446	9	46.2
Seamless, 12" and under in diameter-	United States	261	295	...	3,002	1,953	.3
Cold drawn	United Kingdom	485	...	...	6,256	...	...
	Sweden	...	86	...	81	86	...
Hot finished	United States	16	...	...	1,415	32	28.1
	United Kingdom	11	...	...	4,799	...	...
Welded, 4" and under in diameter ...	United States	654	1	3.4	4,902	2	24.0
	United Kingdom	688	...	...	4,533	...	...
	Belgium	...	...	...	30	...	...
Welded, over 4" in diameter	United States	6,069	...	...	98,983	11	2.3
	United Kingdom	98	...	...	990	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	46	...	...	330	...	...
Spiral welded	United States	65	...	...	1,932	...	...
Casings	United States	1,714	...	...	20,281	...	...
	Germany	184	...	...	184	...	...
	United Kingdom	...	...	...	2,223	...	...
Fittings and couplings	United States	267	...	1.7	2,006	...	26.4
	United Kingdom	...	...	...	16	...	...
Wire rope							
	United States	77	...	...	504	...	2.4
	United Kingdom	17	...	...	357	...	...
	Germany	4	...	...	52	...	...
	Holland	...	...	...	2	...	...
Wire for rope	United States	224	...	.4	4,770	...	2.7
	United Kingdom	1,923	...	...	6,883	...	...
Wire -							
For corset laces, steels, etc.	United States	2	...	...	250	...	...
	United Kingdom	1	...	...	1,497	...	...
For spring mattress, etc.	United States	290	...	...	18	...	...
	United Kingdom	17	...	...	51	...	...
For fencing, galvanized	United States	108	...	.1	526	4	7.8
Wire cloth and netting	United Kingdom	66	...	...	323	...	...
Wire, coated	United States	28	...	...	395	...	...
	United Kingdom	1	...	...	1	...	...
Wire, all other	United States	236	...	4.3	2,729	19	31.3
	United Kingdom	14	...	...	41	...	...
	Germany	...	...	...	2	...	...
	Sweden	1	...	...	2	...	...
Wire rods, not over $\frac{1}{2}$ " in diameter ...	United States	33	...	...	399	...	...
	Germany	...	...	...	54	...	...
	Sweden	...	...	...	23	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, September, 1950 and Year to Date (Concluded)

Commodity		Country of origin	September			Year to date		
			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)								
Wire rods, not over $\frac{3}{8}$ " in diameter ...	France	...	...	...	377	...	...
	Belgium	249	...	...	1,081	...	...
Welding wire and welding rods	United States	82	10	19.7	410	146	71.1	
Castings -								
For agricultural implements	United States	146	...	...	1,410	...	...
For ingot moulds	United States	1,657	...	...	14,339	...	...
	United Kingdom	36	...	...	59	...	...
Malleable	United States	70	...	...	341	...	...
Non-malleable	United States	86	...	...	1,450	...	...
Steel	United States	25	6	...	363	106	1.4	
	Norway	...	...	...	84	...	7.0
	United Kingdom	...	...	...	1	...	...
For railway vehicles	United States	5	...	...	197	...	...
Rolls	United States	283	80	...	1,307	476	...	
	United Kingdom	...	...	...	26	177	...
Piston rings (rough)	United States	42	...	...	226	...	...
Forgings	United States	29	4	.2	773	247	.2	
	United Kingdom	115	66	...	798	781	5.0	
Axles - For railway vehicles	United States	7	...	...	80	...	...
Wheels - For railway rolling stock ...	United States	26	...	...	242	...	...
	United Kingdom	601	...	...	4,243	...	...
Tires -								
For railway rolling stock	United States	17	...	...	458	...	...
	United Kingdom	1,181	...	...	2,833	...	...
Rails -								
60 lb. and under	Belgium	48	...	...	497	...	...
	United States	1	...	...	75	...	...
Over 60 lb. and including 100 lb. ..	United States	15	...	...	755	...	...
	United Kingdom	604	...	...	8,391	...	...
Over 100 lb.	United States	...	...	...	44	...	...
	Belgium	37	...	...	37	...	...
Grooved for electric tramways	United States	...	...	...	80	...	...
Track material -								
Angles, bars, tie plates, rail joints	Belgium	6	...	...	25	...	...
	United States	171	...	...	1,042	...	...
	United Kingdom	54	...	...	1,153	...	...
Intersections, switches, frogs	United States	1	...	...	83	...	...
Total Imports	United States	68,179	3,410	727.1	582,481	27,177	5,086.5	
	All other	35,267	371	93.0	180,156	2,963	773.3	
TOTAL		103,446	3,781	820.1	762,637	30,140	5,859.8	

Table 15 - Exports of Primary Iron and Steel, August, 1950 and Year to Date

	September	Year to date
	(Tons of 2,000 pounds)	
Pig iron	18,765	143,834
Ingots, blooms and billets	23,383	102,707
Bars	273	8,609
Rods	64	202
Plates, sheets and strips	1,852	19,222
Rails	954	12,073
Structural shapes	46	1,374
Pipe and tubing - Wrought iron	51	407
Cast iron	126	1,064
Galvanized	364	5,433
Other	69	236
Castings, iron and steel	1,958	9,363
Forgings	55	501



DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

OTTAWA

UNIVERSITY OF TORONTO
DEPT. OF POLITICAL ECONOMY

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28
Vol.5-No.10

Price 25 cents

PRIMARY IRON AND STEEL

OCTOBER - 1950

Pig iron - Production of pig iron in Canada amounted to 205,811 tons in October compared with 166,020 tons in the corresponding month of last year. The total for the current month included 149,571 tons of basic iron, 16,319 tons of foundry iron and 39,921 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in October amounted to 16,959 tons compared with 17,765 tons in the previous month and with 15,456 tons in October of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during October totalled 293,928 tons compared with 258,891 tons in October of last year. Output in the month under review included 285,654 tons of ingots and 8,274 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During September and October, 1950

	S e p t e m b e r			O c t o b e r		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron</u> -						
Basic	141,241	3,593	144,834	136,045	13,526	149,571
Foundry	242	35,738	35,980	1,034	15,285	16,319
Malleable .....	...	18,601	18,601	326	39,595	39,921
Total Pig Iron ...	141,483	57,932	199,415	137,405	68,406	205,811
<u>Ferro-alloys</u> - .....	...	17,765	17,765	...	16,959	16,959

Table 2 - Cumulative Production for the Ten Months Ended October, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron</u> -						
Basic	1,466,552	58,723	1,525,275	1,401,020	63,563	1,464,583
Foundry	5,890	167,488	173,378	3,524	183,236	186,760
Malleable .....	...	126,370	126,370	1,364	250,555	251,919
Total Pig Iron ...	1,472,442	352,581	1,825,023	1,405,908	497,354	1,903,262
<u>Ferro-alloys</u> - .....	...	184,992	184,992	...	149,314	149,314

Table 3 - Iron Blast Furnace Charges During September and October, 1950 and Ten Months Ended October, 1950

	September	October	Ten months ended October
	(Net tons of 2,000 pounds)		
Iron ore	355,119	364,113	3,409,437
Mill cinder, scale, sinter, etc. ..	38,685	42,973	357,889
Limestone	75,849	78,919	711,781
Dolomite	12,045	13,157	123,217
Coke	183,758	190,982	1,763,944
Scrap iron and steel	8,072	7,905	76,548

NOTE: This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	14	2,745,000

Table 5 - Description of Iron Blast Furnaces at end of October, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	2,609,950	95.1
Banked .....	...	...	...
Blown out	1	135,050	4.9
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During September and October, 1950

	S e p t e m b e r			O c t o b e r		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - basic	203,753	14,822	218,575	220,020	14,540	234,560
Electric	42,583	5,839	48,422	44,321	6,773	51,094
Total Steel Ingots	246,336	20,661	266,997	264,341	21,313	285,654
Alloy steel ingots included in above	15,616	...	15,616	10,482	...	10,482
<u>Steel Castings</u>						
Open hearth - basic	147	1,898	2,045	185	1,856	2,041
Converter	1	27	28	3	7	10
Electric	1,084	4,793	5,877	1,008	5,215	6,223
Total Steel Castings ...	1,232	6,718	7,950	1,196	7,078	8,274
Alloy steel castings included in above	607	1,001	1,608	532	1,069	1,601
TOTAL INGOTS AND CASTINGS .	247,568	27,379	274,947	265,537	28,391	293,928

Table 7 - Cumulative Production for the Ten Months Ended October, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - basic	2,159,509	99,312	2,258,821	2,160,771	132,320	2,293,091
Electric	313,736	5,715	319,451	377,891	65,858	443,749
Total Steel Ingots	2,473,245	105,027	2,578,272	2,538,662	198,178	2,736,840
Alloy steel ingots included in above	121,857	...	121,857	152,094	...	152,094
<u>Steel Castings</u>						
Open hearth - basic	1,847	23,974	25,821	1,674	14,961	16,635
Converter	22	57	79	11	151	162
Electric	11,574	47,513	59,087	11,754	38,010	49,764
Total Steel Castings ...	13,443	71,544	84,987	13,439	53,122	66,561
Alloy steel castings included in above	4,780	8,977	13,757	6,154	9,133	15,287
TOTAL INGOTS AND CASTINGS .	2,486,688	176,571	2,663,259	2,552,101	251,300	2,803,401

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During September and October and Ten Months Ended October, 1950

	September	October	Ten months ended October
	(Net tons of 2,000 pounds)		
Pig iron	137,164	144,074	1,397,120
Scrap - Own make	79,346	84,849	813,115
Purchased	82,273	87,952	807,224

Table 9 - Steel Furnace Capacity at end of October, 1950

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,368	97,562	3,186,930
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
Total - Ten months	1,903,262	149,314	2,736,840	66,561	2,803,401

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 257,802 net tons in October, 1950 compared with 254,682 tons in September, 1950. The October shipments included 18,724 tons of semi-finished shapes, 19,127 tons of structurals, 15,500 tons of plates, 19,654 tons of rails, 4,224 tons of tie plates and track material, 44,555 tons of hot rolled bars, 22,048 tons of pipes and tubes, 23,903 tons of wire rods, 29,052 tons of black sheets, 8,103 tons of galvanized sheets, 6,853 tons of castings, and 12,903 tons of other rolled products. The amount of producers' interchange was 123,547 tons in October as against 123,643 tons in September, 1950.

Of the amounts shipped for sale during October, 39,601 tons went direct to railways and railway car shops; 17,004 tons went to pressing, forming and stamping plants; 31,030 tons to merchant trade products; 34,750 tons to building construction; 24,688 tons to the containers industry; 11,937 tons to agricultural equipment, 18,091 tons to the automotive industry; 10,054 tons to machinery plants; 893 tons to shipbuilding; 8,638 tons to mining, lumbering, etc., and 1,096 tons to miscellaneous industries; wholesalers and warehousing accounted for 31,863 tons, and exports for 25,917 tons. Producers' interchange or the tonnage shipped to producers' own works for further processing, totalled 123,547 tons in October, 1950.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, October, 1950

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	14,122	4,643	9,146
Other semi-finished shapes, not for re-rolling by makers	45,099	18,724	32,523
Structural shapes and piling	17,686	19,127	...
Plates	15,599	15,298	...
Rails	19,578	19,654	...
Tie plates and track material: Splice bars ....	...	11	...
Tie plates	3,507	3,389	...
Spikes	990	824	...
Concrete reinforcing bars	8,695	8,007	...
Hot rolled bars for cold finishing	510	...	505
Other hot rolled bars	39,446	36,920	4,427
Pipes and tubes	20,256	22,048	1
Wire rods	25,599	23,788	...
Hot rolled black sheets	60,097	15,841	44,448
Cold reduced black sheets	16,867	13,211	3,505
Galvanized sheets	9,196	8,103	...
Steel castings	6,400	5,165	...
Miscellaneous hot rolled products	33,657	4,625	28,683
All other products	27,091	25,979	...
Total - Carbon Steel	364,395	245,357	123,238
<u>Alloy Steel</u>			
Billets, etc., for forging	1,974	2,209	...
Other semi-finished shapes, not for re-rolling by makers	309	...	309
Structural shapes and piling .....	...	...	...
Plates	124	202	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,645	7,635	...
Pipes and tubes .....	...	...	...
Wire rods	101	115	...
Steel castings	1,864	1,688	...
Miscellaneous hot rolled products	268	271	...
All other products	273	325	...
Total - Alloy Steel	12,558	12,445	309

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Ten Months Ended October, 1950

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	126,187	47,588	77,536
Other semi-finished shapes, not for re-rolling by makers	384,961	92,396	290,264
Structural shapes and piling	132,580	121,491	...
Plates	130,306	129,936	27
Rails	261,336	258,771	...
Tie plates and track material - Splice bars ...	15,041	15,632	...
Tie plates	41,870	41,274	...
Spikes	14,695	15,048	...
Concrete reinforcing bars	76,649	76,901	...
Hot rolled bars for cold finishing	10,522		10,510
Other hot rolled bars	405,109	339,169	67,388
Pipes and tubes	205,321	203,117	13
Wire rods	236,177	237,763	950
Hot rolled black sheets	554,194	120,506	433,450
Cold reduced black sheets	154,581	132,096	24,613
Galvanized sheets	82,798	81,920	...
Steel castings	49,023	44,839	...
Miscellaneous hot rolled products	296,639	37,831	257,384
All other products	227,804	226,843	191
Total - Carbon Steel	3,405,793	2,223,121	1,162,326
<u>Alloy Steel</u>			
Billets, etc., for forging	9,072	8,684	...
Other semi-finished shapes, not for re-rolling by makers	4,938	...	4,938
Structural shapes and piling .....	...	...	...
Plates	1,623	1,558	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	74,501	72,466	417
Pipes and tubes .....	...	...	...
Wire rods	746	737	...
Steel castings	17,013	16,066	...
Miscellaneous hot rolled products	1,971	1,983	...
All other products	2,300	2,358	2
Total - Alloy Steel	112,164	103,852	5,357

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, October and Year to Date, 1950

	October, 1950		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	10,666	7,425	93,223	66,136
Agricultural, including farm machinery	11,872	65	105,488	947
Building construction	34,669	81	295,418	557
Containers industry	24,684	4	217,154	58
Machinery and tools	9,355	699	88,770	6,665
Merchant trade products	30,569	461	290,915	2,941
Mining, lumbering, etc.	7,932	705	104,657	6,654
National defence	339	19	3,062	85
Pressing, forming and stamping	16,879	125	156,874	940
Public works and utilities	1,860	22	11,256	417
Railway operating	29,862	134	375,903	1,707
Railway cars and locomotives	9,445	160	44,686	1,128
Shipbuilding	864	29	20,612	299
Miscellaneous and unclassified	923	173	9,850	1,194
Wholesalers and warehouses	31,716	147	254,843	1,253

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, October and Year to Date, 1950 (Concluded)

	October, 1950		Year to date	
	Carbon	Alloy	Carbon	Alloy
	steel	steel	steel	steel
	(Tons of 2,000 pounds)			
Direct export (a) to British Empire	875	11	10,842	414
(b) to other countries	22,846	2,185	139,568	12,457
Total Shipped for Sale	245,357	12,445	2,223,121	103,852
Producers' interchange	123,238	309	1,162,326	5,357

Table 14 - Imports of Primary Forms of Iron and Steel, October, 1950 and Year to Date

Commodity	Country of origin	October			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	Germany	...	...	...	12,654	...	...
	Netherlands	...	...	...	56	...	...
	United States	...	...	...	201	...	...
	United Kingdom	...	...	...	56	...	...
	Union of S.Africa	...	...	...	112	...	...
Foundry	United States	...	...	...	268	...	...
	United Kingdom	...	...	...	2,923	...	...
	Germany	...	...	...	7,392	...	...
Malleable	United States	228	...	...	2,053	...	...
Charcoal	Sweden	...	...	...	56	...	...
Special	United States	...	...	...	1,131	...	...
Ingots	United States	2,478	...	...	4,430	182	1.4
Billets, blooms, slabs and sheet bars .	United States	...	...	...	120	146	...
	Belgium	...	...	...	112	...	...
Tube rounds and tube billets	United States	359	...	...	1,641	...	...
Bars and sections -							
Hot rolled, n.o.p.	Japan	28	...	...	28	...	...
	United States	3,434	151	4.0	24,201	1,571	110.2
	United Kingdom	406	...	10.5	1,403	113	96.4
	Belgium	666	...	...	5,961	...	...
	Sweden	1	...	...	15	...	...
	France	42	...	...	42	...	...
	Germany	56	...	...	56	...	...
Hot rolled -							
For agricultural implements	United States	1,791	...	...	4,226	12	...
	United Kingdom	100	...	...	139	...	...
Rounds over 4 7/8", squares over 4"	United States	117	3	...	738	33	1.2
	United Kingdom	35	...	.4	342	67	1.1
Angles, channels, etc.	United States	315	...	2.7	1,624	2	27.4
	Germany	...	...	...	11	...	...
	Belgium	469	...	...	1,326	...	...
	United Kingdom	60	...	...	199	...	5.6
Structurals (bar sizes) for agri- cultural implements	United States	565	...	...	1,287	...	...
	United Kingdom	18	...	...	26	...	...
Sash or casement sections	United States	306	...	...	1,357	...	...
	Belgium	37	...	...	78	...	...
	United Kingdom	20	...	...	89	...	...
Cold rolled, n.o.p.	United States	621	14	10.7	3,596	173	30.6
	United Kingdom	711	...	.8	1,921	1	18.7
	Germany	...	...	...	...	1	...
	Belgium	...	...	...	1	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October, 1950 and Year to Date (Continued)

Commodity	Country of origin	October			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections -(concluded)							
Cold rolled, for agricultural implements	United States	280	...	...	4,663	125	...
Tool steel	United States	8	55	...	99	352	...
	United Kingdom	49	61	...	979	357	...
	Austria	...	...	...	2	...	...
	Sweden	...	...	...	1	...	...
Structurals	United States	12,363	...	...	107,441	...	5.2
	United Kingdom	1,287	...	...	7,294	...	...
	Belgium	2,923	...	...	11,756	...	...
	France	85	...	...	553	...	...
Plates -							
78" and under in width	United States	3,781	10	36.4	16,556	48	265.2
	United Kingdom	5,271	...	9.6	19,496	4	142.7
	Belgium	950	...	...	1,980	...	...
	Germany	67	...	...	88	...	...
	France	...	...	...	336	...	...
Over 78" and under 100" in width	United States	1,327	...	11.3	11,349	283	39.8
	United Kingdom	2,315	...	.1	20,859	5	.3
100" in width and over	United States	399	...	53.5	3,062	...	99.0
	United Kingdom	116	...	...	251	...	10.9
Flanged, dished or curved	United States	84	...	4.1	1,142	...	21.8
Boiler, pulp-mill digesters	United States	498	...	...	3,417	...	28.6
	United Kingdom	174	...	...	708	...	...
Chequered or surface pattern	United States	247	...	...	3,437	...	...
	United Kingdom	...	...	...	266	...	...
Painted	United States	8	...	...	35	...	...
For saws	United States	...	...	...	2	5	...
Sheets -							
Silicon .075 or more	United States	...	2,248	...	...	18,434	...
	United Kingdom	...	260	...	...	1,576	...
Galvanized	United States	713	...	...	8,352	...	...
	United Kingdom	885	...	...	7,663	...	...
Hot rolled -							
18 gauge and heavier	United States	5,494	...	6.4	48,937	21	246.0
	Germany	394	...	...	753	...	...
	France	64	...	...	64	...	...
	Belgium	3,352	...	...	5,263	...	...
	United Kingdom	809	...	41.1	2,292	...	430.4
Lighter than 18 gauge	United States	534	...	.7	2,052	4	181.8
	United Kingdom	223	...	1.1	1,591	1	19.1
	Belgium	277	...	...	277	...	...
For hollow ware (vitreous enamel) .	United States	568	...	...	1,153	...	...
Corrugated	United States	224	...	...	3,501	...	...
	United Kingdom	25	...	...	73	...	...
Coated with paint, tar, asphaltum, etc.	United Kingdom	...	...	...	16	...	...
	United States	386	...	...	2,068	...	...
For saws	United States	17	70	...	141	523	...
	United Kingdom	...	1	...	...	19	...
For cold rolled strip	United States	82	...	...	345	...	...
	United Kingdom	...	...	...	11	...	...
Shaped for agricultural implements	United States	383	5	...	1,121	65	...
	United Kingdom	289	...	...	289	...	...
For tubes	United States	164	...	...	389	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October, 1950 and Year to Date (Continued)

Commodity	Country of origin	October			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets (Concluded) -							
Cold rolled -							
18 gauge and heavier	United States	927	...	113.9	7,609	...	1,342.0
	United Kingdom	295	...	...	557	...	15.2
Lighter than 18 gauge	United States	3,871	...	146.2	22,800	...	1,229.8
	United Kingdom	176	...	4.9	605	...	27.9
For hollow ware (vitreous enamel ..	United States	1,029	...	...	8,633	...	...
	United Kingdom	267	...	...	1,091	...	...
Black plate - Tin mill	United States	31	...	...	268	...	...
Coated with paint, tar, asphaltum, etc.	United States	9	...	...	222	...	...
For heating apparatus	United States	...	...	...	161	...	...
For saws	Sweden	...	1	...	...	10	...
	United States	...	2	...	1	19	...
For tubes	United States	493	...	...	4,782	...	...
For butt hinges	United States	...	...	...	39	...	...
Tin plate--Primes	United States	109	...	...	609	...	...
	United Kingdom	18	...	...	268	...	...
Electrolytic (25#)	United States	41	...	...	229	...	...
Electrolytic (75#)	United States	21	...	...	21	...	...
Terne plate--Long	United States	364	...	...	4,341	...	...
	United Kingdom	1	...	...	9	...	...
Short	United States	129	...	...	1,281	...	...
	United Kingdom	...	...	...	9	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	Sweden	...	...	...	...	...	2.5
	France	...	...	...	31	...	...
	United States	1,084	90	.3	9,486	595	54.8
	Belgium	154	...	...	933	...	...
	United Kingdom	439	...	...	1,604	3	11.5
Lighter than 18 gauge	United States	41	...	...	1,248	...	158.7
	United Kingdom	...	...	...	22	...	...
	Belgium	2	...	...	2	...	...
For cold rolling	United States	150	...	...	1,839	...	...
	United Kingdom	...	...	...	99	...	...
Painted	United States	522	...	...	3,639	...	...
	United Kingdom	...	...	...	11	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	345	...	...	956	...	...
For saws	United States	12	243	...	71	525	...
	United Kingdom	1	...	...	1	14	...
	Sweden	...	...	...	...	2	...
For motor vehicles	United States	2,167	19	...	15,042	30	...
For hoops	United States	87	...	...	818	...	...
	United Kingdom	53	...	...	556	...	...
For tubular products	United States	...	...	...	182	...	...
For tubes	United States	70	...	...	70	...	...
For butt hinges	United States	...	...	...	4	...	...
Silicon .075 or more	United States	...	350	...	...	3,118	...
	United Kingdom	...	...	...	...	22	...
Cold rolled -							
18 gauge and heavier	United Kingdom	100	...	...	177	...	.1
	United States	318	14	47.7	2,650	52	299.5
	Belgium	...	...	...	19	...	...
	Sweden	...	...	...	...	...	.2
Lighter than 18 gauge	United States	447	5	200.3	4,019	11	1,240.1
	Sweden	9	...	...	217	...	...
	United Kingdom	116	...	...	326	...	1.0

Table 14 - Imports of Primary Forms of Iron and Steel, October, 1950 and Year to Date (Continued)

Commodity	Country of origin	October			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip (Concluded)							
Cold rolled -							
Painted	United States	305	...	...	2,116	...	...
	Germany	...	...	...	34	...	...
	United Kingdom	...	...	...	10	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	16	...	...	250	...	...
	United Kingdom	12	...	...	58	...	...
For saws	United States	...	11	...	...	72	...
	Sweden	...	6	...	...	44	...
For tubes	United States	115	...	...	2,867	...	.3
For tubular products	United States	111	...	...	976	...	...
For butt hinges	United States	77	...	...	691	...	...
Silicon .075 or more	United States	...	28	...	...	753	...
For hoops	United States	...	...	...	57	...	...
Galvanized strip	United States	572	...	...	5,301	...	...
	United Kingdom	25	...	...	79	...	...
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	7,004	...	...	85,533	...	...
	United Kingdom	5,423	...	...	16,747	...	...
	Belgium	2,296	...	...	14,653	...	...
Over 15 $\frac{3}{8}$ " in width	United States	493	...	...	9,850	...	...
Pipes and tubes -							
Cast	United States	143	...	...	1,508	...	.2
	United Kingdom	2,152	...	...	10,202	...	...
Bedstead	United States	13	...	...	165	...	...
	Sweden	8	...	...	8	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	367	65	...	2,642	219	1.7
	United Kingdom	67	...	...	781	...	...
Cold drawn	United States	198	2	...	1,185	60	1.9
	United Kingdom	6	...	...	86	...	...
Welded	United States	37	...	...	464	...	2.7
Seamless, 12" and under in diameter -							
Cold drawn	United States	293	6	18.2	3,657	139	155.0
	United Kingdom	74	...	14.6	520	9	60.8
	Sweden	4	...	...	4	...	...
Hot finished	United States	338	125	...	3,340	2,078	.3
	United Kingdom	55	...	...	6,311	...	...
	Sweden	...	3	...	81	89	...
Seamless, over 12" in diameter -							
Hot finished	United States	179	20	...	1,594	52	28.1
	United Kingdom	678	...	...	5,477	...	...
Welded, 4" and under in diameter	United States	432	...	.6	5,334	2	24.6
	United Kingdom	920	...	...	5,453	...	...
	Belgium	57	...	...	87	...	...
	Czechoslovakia	25	...	...	25	...	...
	Germany	26	...	...	26	...	...
Welded, over 4" in diameter	United States	187	...	...	99,170	11	2.3
	United Kingdom	...	...	...	990	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	40	...	...	370	...	...
Spiral welded	United States	476	...	...	2,408	...	...
Casings	United States	1,959	...	...	22,240	...	...
	Germany	76	...	...	260	...	...
	United Kingdom	1,664	...	...	3,887	...	...
Fittings and couplings	United States	333	...	1.8	2,339	...	28.2
	United Kingdom	4	...	...	20	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October, 1950 and Year to Date (Continued)

		October			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wire rope	United States	34	...	...	★605	...	2.4
	United Kingdom	151	...	...	★578	...	...
	Germany	...	...	...	52	...	...
	Holland	...	...	...	2	...	...
Wire for rope	United States	415	...	1.6	★5,355	...	4.3
	United Kingdom	962	...	...	★8,141	...	...
Wire -							
For corset laces, steels, etc.	United States	6	...	...	69	...	...
	United Kingdom	2	...	...	7	...	...
For spring mattress, etc.	United States	162	...	...	2,048	...	...
	United Kingdom	...	...	...	18	...	...
For fencing, galvanized	United States	51	...	...	102	...	...
Wire cloth and netting	United States	89	...	...	615	4	7.8
	United Kingdom	41	...	...	364	...	...
Wire, coated	United States	79	...	...	474	...	...
	United Kingdom	6	...	...	7	...	...
Wire, all other	United States	236	...	2.5	2,965	19	33.8
	United Kingdom	9	...	...	50	...	...
	Germany	3	...	...	5	...	...
	Sweden	...	...	...	2	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	22	...	...	421	...	...
	Germany	113	...	...	167	...	...
	Sweden	...	...	...	23	...	...
	France	56	...	...	433	...	...
	Belgium	175	...	...	1,256	...	...
	United Kingdom	281	...	...	281	...	...
Welding wire and welding rods	United States	43	4	5.9	453	150	77.0
	Sweden	4	...	...	4	...	...
Castings -							
For agricultural implements	United States	112	...	...	1,522	...	...
For ingot moulds	United States	1,074	...	...	15,413	...	...
	United Kingdom	21	...	...	80	...	...
Malleable	United States	10	...	...	351	...	...
Non-malleable	United States	168	...	...	1,618	...	...
Steel	United States	93	24	.3	456	130	1.7
	Norway	7	...	...	91	...	7.0
	United Kingdom	...	...	...	1	...	...
For railway vehicles	United States	12	...	...	209	...	...
Rolls	United States	363	16	...	1,670	492	...
	United Kingdom	14	...	...	40	177	...
Piston rings (rough)	United States	17	...	...	243	...	...
Forgings	United States	110	33	...	883	280	.2
	United Kingdom	90	83	1.5	888	864	6.5
Axles - For railway vehicles	United States	...	...	...	80	...	...
Wheels - For railway rolling stock	United States	51	...	...	293	...	...
	United Kingdom	558	...	...	4,801	...	...
Tires -							
For railway rolling stock	United States	3	...	...	461	...	...
	United Kingdom	736	...	...	3,569	...	...
Rails -							
60 lb. and under	Belgium	136	...	...	633	...	...
	United States	60	...	...	135	...	...
Over 60 lb. and including 100 lb.	United States	52	...	...	807	...	...
	United Kingdom	5,752	...	...	14,143	...	...
Over 100 lb.	United States	32	...	...	76	...	...
	Belgium	...	...	...	37	...	...
Grooved for electric tramways	United States	67	...	...	147	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October, 1950 and Year to Date (Concluded)

Commodity	Country of origin	October			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Track material -							
Angles, bars, tie plates, rail joints	Belgium	6	...	...	31	...	...
	United States	47	...	...	1,089	...	...
	United Kingdom	609	...	...	1,762	...	...
Intersections, switches, frogs	United States	9	...	...	92	...	...
Total Imports	United States	67,146	3,613	669.1	1649,864	30,790	5,755.6
	All other	47,139	415	84.6	1227,661	3,378	857.9
TOTAL		114,285	4,028	753.7	1877,525	34,168	6,613.5

★ - Adjustment made in year to date figures.

Table 15 - Exports of Primary Iron and Steel, October, 1950 and Year to Date

	October	Year to date
	(Tons of 2,000 pounds)	
Pig iron	17,308	161,142
Ingots, blooms and billets	22,591	125,298
Bars	3,323	11,932
Rods	44	246
Plates, sheets and strips	4,428	23,650
Rails .....	...	12,073
Structural shapes	259	1,633
Pipe and tubing - Wrought iron	19	426
Cast iron	106	1,170
Galvanized	260	5,693
Other	185	421
Castings, iron and steel	1,846	11,209
Forgings	90	591



DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

OTTAWA

BAROMETRICS FILE 1
UNIVERSITY OF TORONTO
DEPT. OF POLITICAL ECONOMY

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

M328
Vol.5-No.11

Price 25 cents

PRIMARY IRON AND STEEL

NOVEMBER - 1950

Pig iron - Production of pig iron in Canada amounted to 208,301 tons in November compared with 157,327 tons in the corresponding month of last year. The total for the current month included 149,470 tons of basic iron, 23,198 tons of foundry iron and 35,633 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in November amounted to 16,920 tons compared with 16,959 tons in the previous month and with 14,758 tons in November of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during November totalled 289,488 tons compared with 259,722 tons in November of last year. Output in the month under review included 279,754 tons of ingots and 9,734 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During October and November, 1950

	October			November		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron</u> -						
Basic	136,045	13,526	149,571	128,508	20,962	149,470
Foundry	1,034	15,285	16,319	205	22,993	23,198
Malleable	326	39,595	39,921	...	35,633	35,633
Total Pig Iron	137,405	68,406	205,811	128,713	79,588	208,301
<u>Ferro-alloys</u> .....	...	16,959	16,959	...	16,920	16,920

Table 2 - Cumulative Production for the Eleven Months Ended November, 1949 and 1950

	1949			1950		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron</u> -						
Basic	1,595,436	60,690	1,656,126	1,529,528	84,525	1,614,053
Foundry	7,290	187,038	194,328	3,729	206,229	209,958
Malleable .....	...	131,896	131,896	1,364	286,188	287,552
Total Pig Iron	1,602,726	379,624	1,982,350	1,534,621	576,942	2,111,563
<u>Ferro-alloys</u> .....	...	199,750	199,750	...	166,234	166,234

Table 3 - Iron Blast Furnace Charges During October and November, 1950 and Eleven Months Ended November, 1950

	October	November	Eleven months ended November
	(Net tons of 2,000 pounds)		
Iron ore	364,113	366,211	3,775,648
Mill cinder, scale, sinter, etc. .	42,973	45,061	402,950
Limestone	78,919	77,443	789,224
Dolomite	13,157	12,538	135,755
Coke	190,982	191,745	1,955,689
Scrap iron and steel	7,905	7,646	84,194

NOTE: This report was prepared in the Mining, Metallurgical and Chemical Section.

Primary Iron and Steel

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Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	14	2,745,000

Table 5 - Description of Iron Blast Furnaces at end of November, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	2,609,950	95.1
Banked .....	...	...	...
Blown out	1	135,050	4.9
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During October and November, 1950

	October			November		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - basic	220,020	14,540	234,560	227,570	9,814	237,384
Electric	44,321	6,773	51,094	37,776	4,594	42,370
Total Steel Ingots	264,341	21,313	285,654	265,346	14,408	279,754
Alloy steel ingots included in above	10,482	...	10,482	11,520	...	11,520
<u>Steel Castings</u>						
Open hearth - basic	185	1,856	2,041	188	2,828	3,016
Converter	3	7	10	4	16	20
Electric	1,008	5,215	6,223	784	5,914	6,698
Total Steel Castings	1,196	7,078	8,274	976	8,758	9,734
Alloy steel castings included in above	532	1,069	1,601	420	1,283	1,703
TOTAL INGOTS AND CASTINGS	265,537	28,391	293,928	266,322	23,166	289,488

Table 7 - Cumulative Production for the Eleven Months Ended November, 1949 and 1950

	1 9 4 9			1 9 5 0		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - basic	2,366,941	107,092	2,474,033	2,388,341	142,134	2,530,475
Electric	348,151	9,301	357,452	415,667	70,452	486,119
Total Steel Ingots	2,715,092	116,393	2,831,485	2,804,008	212,586	3,016,594
Alloy steel ingots included in above	133,445	...	133,445	163,614	...	163,614
<u>Steel Castings</u>						
Open hearth - basic	2,030	25,859	27,889	1,862	17,789	19,651
Converter	23	57	80	15	167	182
Electric	12,661	50,866	63,527	12,538	43,924	56,462
Total Steel Castings	14,714	76,782	91,496	14,415	61,880	76,295
Alloy steel castings included in above	5,283	9,682	14,965	6,574	10,416	16,990
TOTAL INGOTS AND CASTINGS	2,729,806	193,175	2,922,981	2,818,423	274,466	3,092,889

Primary Iron and Steel

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Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During October and November, 1950 and Eleven Months Ended November, 1950

	October	November	Eleven months ended November
	(Net tons of 2,000 pounds)		
Pig iron	144,074	143,244	1,540,364
Scrap - Own make	84,849	87,282	900,397
Purchased	87,952	85,193	892,417

Table 9 - Steel Furnace Capacity at end of November, 1950

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings ...	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
1 9 4 9					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,368	97,562	3,186,930
1 9 5 0					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
Total - Eleven Months .	2,111,563	166,234	3,016,594	76,295	3,092,889

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 255,644 net tons in November, 1950 compared with 257,802 tons in October, 1950. The November shipments included 22,115 tons of semi-finished shapes, 10,959 tons of structurals, 15,422 tons of plates, 14,450 tons of rails, 3,724 tons of tie plates and track material, 46,683 tons of hot rolled bars, 19,543 tons of pipes and tubes, 25,011 tons of wire rods, 30,771 tons of black sheets, 9,009 tons of galvanized sheets, 9,367 tons of castings, and 14,747 tons of other rolled products. The amount of producers' interchange was 125,501 tons in November as against 123,547 tons in October, 1950.

Primary steel shapes (concluded) -

Of the amounts shipped for sale during November, 36,877 tons went direct to railways and railway car shops; 16,253 tons went to pressing, forming and stamping plants; 33,347 tons to merchant trade products; 30,804 tons to building construction; 24,611 tons to the containers industry; 11,259 tons to agricultural equipment; 21,161 tons to the automotive industry; 11,240 tons to machinery plants; 738 tons to shipbuilding; 9,216 tons to mining, lumbering, etc., and 1,744 tons to miscellaneous industries; wholesalers and warehousing accounted for 30,091 tons, and exports for 27,042 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 125,501 tons in November, 1950.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, November, 1950

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	13,442	5,164	7,893
Other semi-finished shapes, not for re-rolling by makers	51,851	22,115	20,570
Structural shapes and piling	12,417	10,959	1
Plates	13,204	14,975	...
Rails	11,586	14,450	...
Tie plates and track material: Splice bars .....	...	31	...
Tie plates	3,059	2,825	...
Spikes	990	868	...
Concrete reinforcing bars	6,897	7,886	...
Hot rolled bars for cold finishing	1,642	...	1,613
Other hot rolled bars	45,131	37,829	3,659
Pipes and tubes	19,834	19,543	...
Wire rods	26,270	24,949	90
Hot rolled black sheets	76,866	17,719	60,794
Cold reduced black sheets	17,592	13,052	5,022
Galvanized sheets	8,687	9,009	...
Steel castings	8,142	7,750	...
Miscellaneous hot rolled products	31,499	6,573	25,001
All other products	27,118	26,660	75
Total - Carbon Steel	376,227	242,357	124,718
<u>Alloy Steel</u>			
Billets, etc., for forging	1,774	1,777	...
Other semi-finished shapes, not for re-rolling by makers	783	...	783
Structural shapes and piling .....	...	...	...
Plates	547	447	...
Rails .....	...	...	...
Tie plates and track material - Splice bars .....	...	...	...
Tie plates .....	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	9,550	8,854	...
Pipes and tubes .....	...	...	...
Wire rods	61	62	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,606	1,617	...
Miscellaneous hot rolled products	207	288	...
All other products	233	242	...
Total - Alloy Steel	14,761	13,287	783

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eleven Months Ended November, 1950

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	139,629	52,752	85,429
Other semi-finished shapes, not for re-rolling by makers	436,812	114,511	310,834
Structural shapes and piling	144,997	132,450	...
Plates	143,510	144,911	27
Rails	272,922	273,221	...
Tie plates and track material - Splice bars ...	15,041	15,663	...
Tie plates	44,929	44,099	...
Spikes	15,685	15,916	...
Concrete reinforcing bars	83,546	84,787	...
Hot rolled bars for cold finishing	12,164	...	12,123
Other hot rolled bars	450,240	376,998	71,047
Pipes and tubes	225,155	222,660	13
Wire rods	262,447	262,712	1,040
Hot rolled black sheets	631,060	138,225	494,244
Cold reduced black sheets	172,173	145,148	29,635
Galvanized sheets	91,485	90,929	...
Steel castings	57,165	52,589	...
Miscellaneous hot rolled products	328,138	44,404	282,386
All other products	254,922	253,503	266
Total - Carbon Steel	3,782,020	2,465,478	1,287,044
<u>Alloy Steel</u>			
Billets, etc., for forging	10,846	10,461	...
Other semi-finished shapes, not for re-rolling by makers	5,721	...	5,721
Structural shapes and piling .....	...	...	...
Plates	2,170	2,005	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	84,051	81,320	417
Pipes and tubes .....	...	...	...
Wire rods	807	799	...
Steel castings	18,619	17,683	...
Miscellaneous hot rolled products	2,178	2,271	...
All other products	2,533	2,600	...
Total - Alloy Steel	126,925	117,139	6,138

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, November and Year to Date, 1950

	November		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	12,838	8,323	106,061	74,459
Agricultural, including farm machinery	11,191	68	116,679	1,015
Building construction	30,715	89	326,133	646
Containers industry	24,606	5	241,760	63
Machinery and tools	10,040	1,200	98,810	7,865
Merchant trade products	33,054	293	323,969	3,234
Mining, lumbering, etc.	8,392	824	113,049	7,478
National defence	223	28	3,285	113
Pressing, forming and stamping	16,104	149	172,978	1,089
Public works and utilities	986	24	12,242	441
Railway operating	23,844	121	399,747	1,828
Railway cars and locomotives	12,596	316	57,282	1,444

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, November and Year to Date, 1950 (Concluded)

	November		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Shipbuilding	723	15	21,335	314
Miscellaneous and unclassified	1,530	214	11,380	1,408
Wholesalers and warehouses	29,910	181	284,753	1,434
Direct export (a) To British Empire	501	38	11,343	452
(b) To other countries	25,104	1,399	164,672	13,856
Total Shipped for Sale	242,357	13,287	2,465,478	117,139
Producers' interchange	124,718	783	1,287,044	6,140

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1950 and Year to Date

Commodity	Country of origin	November			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -	Union of South						
Basic	Africa	...	...	...	112	...	...
	Netherlands	...	...	...	56	...	...
	Germany	...	...	...	12,654	...	...
	United States	...	...	...	201	...	...
	United Kingdom	2,800	...	...	2,856	...	...
Foundry	United States	...	...	...	268	...	...
	United Kingdom	...	...	...	2,923	...	...
	Germany	...	...	...	7,392	...	...
Malleable	United States	522	...	...	2,575	...	...
Charcoal	Sweden	112	...	...	168	...	...
	United Kingdom	112	...	...	112	...	...
Special	United States	...	...	...	1,131	...	...
Ingots	United States	1,621	55	...	6,051	237	1.4
Billets, blooms, slabs and sheet bars	United States	123	...	...	243	146	...
	Belgium	...	...	...	112	...	...
Tube rounds and tube billets	United States	136	...	...	1,777	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	3,352	208	2.9	27,553	1,779	113.1
	United Kingdom	2,663	10	11.4	4,066	123	107.8
	Belgium	1,081	...	...	7,042	...	...
	Sweden	...	...	...	15	...	...
	France	19	...	...	61	...	...
	Germany	...	...	...	56	...	...
	Japan	...	...	...	28	...	...
	Bahamas	194	...	...	194	...	...
Hot rolled -							
For agricultural implements	United States	1,887	...	...	6,113	12	...
	United Kingdom	49	...	...	188	...	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4" ..	United States	2	49	...	740	82	1.2
	United Kingdom	179	18	23.6	521	85	24.7
Angles, channels, etc.	United States	315	...	5.5	1,939	2	32.9
	Germany	...	...	...	11	...	...
	Belgium	987	...	...	2,313	...	...
	United Kingdom	1,104	...	...	1,303	...	5.6
	France	39	...	...	39	...	...
Structurals (bar sizes) for agri- cultural implements	United States	856	...	...	2,143	...	...
	United Kingdom	7	...	...	33	...	...
Sash or casement sections	United States	204	1,561
	Belgium	78
	United Kingdom	89

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, November, 1950 and Year to Date (Continued)

Commodity	Country of origin	November			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections -							
Cold rolled, n.o.p.	United States	426	4	10.3	4,022	177	40.9
	United Kingdom	821	...	6.6	2,742	1	25.3
	Germany	...	...	...	...	1	...
	Belgium	...	...	...	1	...	...
Cold rolled, for agricultural implements							
Tool steel	United States	265	1	...	4,928	126	...
	United States	8	46	...	107	398	...
	United Kingdom	122	80	...	1,101	437	...
	Austria	...	...	...	2	...	...
Structurals	Sweden	...	...	...	1	...	...
	United States	8,426	...	...	115,867	...	5.2
	United Kingdom	851	...	...	8,145	...	...
	Belgium	5,955	...	...	17,711	...	...
	France	1	...	...	554	...	...
Plates -							
78" and under in width	United States	1,897	14	23.3	18,453	62	288.5
	United Kingdom	3,660	...	11.7	23,156	4	154.4
	Belgium	550	...	...	2,530	...	...
	France	388	...	...	724	...	...
	West Germany	...	...	...	88	...	...
Over 78" and under 100" in width	United States	910	...	.7	12,259	283	40.5
	United Kingdom	1,257	...	...	22,116	5	.3
	France	25	...	...	25	...	...
100" in width and over	United States	179	...	5.8	3,241	...	104.8
	United Kingdom	52	...	...	303	...	10.9
	France	25	...	...	25	...	...
Flanged, dished or curved	United States	75	...	2.1	1,217	...	23.9
Boiler, pulp-mill digesters	United States	421	...	.2	3,838	...	28.8
	United Kingdom	373	...	...	1,081	...	...
Chequered or surface pattern	United States	718	...	...	4,155	...	...
	United Kingdom	195	...	...	461	...	...
Painted	United States	1	...	...	36	...	...
For saws	United States	...	...	...	2	5	...
Sheets -							
Silicon .075 or more	United States	...	1,903	...	...	20,337	...
	United Kingdom	...	224	...	...	1,800	...
Galvanized	United States	858	...	...	9,210	...	...
	United Kingdom	1,538	...	...	9,201	...	...
Hot rolled -							
18 gauge and heavier	Germany	...	...	...	753	...	...
	United States	6,065	3	15.3	55,002	24	261.3
	Belgium	3,159	...	...	8,422	...	...
	United Kingdom	791	...	40.2	3,083	...	470.6
	France	222	...	...	286	...	...
Lighter than 18 gauge	Sweden	8	...	...	8	...	...
	United States	307	...	...	2,359	4	181.8
	United Kingdom	363	...	6.4	1,954	1	25.5
For hollow ware (vitreous enamel) .	Belgium	296	...	...	573	...	...
	United States	281	...	...	1,434	...	...
Corrugated	United Kingdom	19	...	...	19	...	...
	United States	103	...	...	3,604	...	...
Coated with paint, tar, asphaltum, etc.	United Kingdom	183	...	...	256	...	...
	United States	...	...	...	16	...	...
For saws	United States	120	...	...	2,188	...	...
	United States	1	43	...	142	566	...
	United Kingdom	...	...	...	...	19	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1950 and Year to Date (Continued)

Commodity	Country of origin	November			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets - (Concluded)							
Hot rolled -							
For cold rolled strip	United States	70	...	...	415	...	...
	United Kingdom	...	...	...	11	...	...
Shaped for agricultural implements.	United States	106	...	...	1,227	65	...
	United Kingdom	63	...	...	352	...	...
For tubes	United States	200	...	...	589	...	...
Cold rolled -							
18 gauge and heavier	United States	1,195	...	76.5	8,804	...	1,418.5
	United Kingdom	204	...	2.0	761	...	17.2
Lighter than 18 gauge	United States	3,349	...	142.7	26,149	...	1,372.5
	United Kingdom	555	...	3.6	1,160	...	31.5
For hollow ware (vitreous enamel)	United States	643	...	...	9,276	...	...
	United Kingdom	179	...	...	1,270	...	...
Black plate - Tin mill	United States	...	...	...	268	...	...
Coated with paint, tar, asphaltum, etc.	United States	79	...	...	301	...	...
For heating apparatus	United States	9	...	...	170	...	...
For saws	Sweden	...	1	...	...	11	...
	United States	...	1	...	1	20	...
For tubes	United States	486	...	...	5,268	...	...
For butt hinges	United States	...	...	...	39	...	...
Tin plate--Primes	United States	49	...	...	658	...	...
	United Kingdom	64	...	...	332	...	...
Electrolytic (25#)	United States	...	...	...	229	...	...
Electrolytic (75#)	United States	...	...	...	21	...	...
Terne plate--Long	United States	589	...	...	4,930	...	...
	United Kingdom	...	...	...	9	...	...
Short	United States	411	...	...	1,692	...	...
	United Kingdom	...	...	...	9	...	...

Strip -

Hot rolled -

18 gauge and heavier	Sweden	...	...	...	...	...	2.5
	France	79	...	...	110	...	...
	United States	1,019	6	.3	10,505	601	55.1
	Belgium	324	...	...	1,257	...	...
	United Kingdom	490	2	...	2,094	5	11.5
Lighter than 18 gauge	United States	104	...	1.2	1,352	...	159.9
	United Kingdom	3	...	...	25	...	...
	Belgium	...	...	...	2	...	...
For cold rolling	United States	84	...	...	1,923	...	...
	United Kingdom	56	...	...	155	...	...
Painted	United States	455	...	...	4,094	...	...
	United Kingdom	...	...	...	11	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	107	...	...	1,063	...	...
For saws	United States	29	85	...	100	610	...
	United Kingdom	...	...	...	1	14	...
	Sweden	...	...	...	...	2	...
For motor vehicles	United States	1,364	...	...	16,406	30	...
For hoops	United States	50	...	...	868	...	...
	United Kingdom	97	...	...	653	...	...
For tubular products	United States	...	...	...	182	...	...
For tubes	United States	57	...	...	127	...	...
	United Kingdom	...	...	...	...	22	...
For butt hinges	United States	4
Silicon .075 or more	United States	...	453	3,571	...

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, November, 1950 and Year to Date (Continued)

Commodity	Country of origin	November			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (Concluded)							
Cold rolled -							
18 gauge and heavier	United Kingdom	150	...	...	327	...	.1
	United States	205	4	20.4	2,855	56	319.9
	Belgium	...	...	...	19	...	...
	Sweden	...	...	...	...	...	.2
Lighter than 18 gauge	United States	340	...	179.9	4,359	11	1,420.0
	Sweden	12	...	...	229	...	...
	United Kingdom	154	...	...	480	...	1.0
Painted	United States	452	...	...	2,568	...	...
	Germany	...	...	...	34	...	...
	United Kingdom	...	...	...	10	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	110	...	...	360	...	...
	United Kingdom	...	...	...	58	...	...
For saws	United States	...	14	...	...	86	...
	Sweden	...	13	...	...	57	...
For tubes	United States	121	...	...	2,988	...	.3
For tubular products	United States	153	...	.1	1,129	...	.1
For butt hinges	United States	79	...	...	770	...	...
Silicon .075 or more	United States	...	5	...	...	758	...
For hoops	United States	...	...	...	57	...	...
Galvanized strip	United States	593	...	...	5,894	...	...
	United Kingdom	29	...	...	108	...	...
Skelp -							
15 $\frac{5}{8}$ " and under in width	United States	11,400	...	...	96,933	...	...
	United Kingdom	4,805	...	...	21,552	...	...
	Belgium	10,848	...	...	25,501	...	...
Over 15 $\frac{3}{8}$ " in width	United States	907	...	...	10,757	...	...
Plate	United States	967	...	...	967	...	...
Pipes and tubes -							
Cast	United States	3	...	...	1,511	...	.2
	United Kingdom	412	...	...	10,614	...	...
Bedstead	United States	133	...	...	298	...	...
	Sweden	...	...	...	8	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	513	15	...	3,155	234	1.7
	United Kingdom	179	...	...	960	...	...
Cold drawn	United States	53	...	...	1,238	60	1.9
	United Kingdom	168	...	...	254	...	...
Welded	United States	86	...	...	550	...	2.7
Seamless, 12" and under in diameter -							
Cold drawn	Sweden	...	...	...	4	...	...
	United States	252	51	10.5	3,909	190	165.5
	United Kingdom	180	1	4.6	700	10	65.4
Hot finished	United States	392	154	...	3,732	2,232	.3
	United Kingdom	55	...	...	6,366	...	...
	Sweden	...	...	...	81	89	...
Seamless, over 12" in diameter -							
Hot finished	United States	406	...	...	2,000	52	28.1
	United Kingdom	2,643	...	...	8,120	...	...
Welded, 4" and under in diameter	United States	351	...	1.2	5,685	2	25.8
	United Kingdom	1,065	...	...	6,518	...	...
	Belgium	327	...	...	414	...	...
	Czechoslovakia	...	...	...	25	...	...
	Germany	27	...	...	53	...	...
Welded, over 4" in diameter	United States	348	...	.5	99,518	11	2.8
	United Kingdom	81	...	...	1,071	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1950 and Year to Date (Continued)

Commodity	Country of origin	November			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes - (concluded)							
Tubing -							
Not over $\frac{1}{8}$ " diameter, welded and coated	United States	36	...	...	406	...	...
Special welded	United States	837	...	...	3,245	...	...
Casings	United States	3,651	...	...	25,891	...	...
	United Kingdom	162	...	...	4,049	...	...
	Germany	...	...	...	260	...	...
Fittings and couplings	United States	352	...	2.0	2,691	...	30.2
	United Kingdom	7	...	...	27	...	...
	Germany	55	...	...	55	...	...
Wire rope	United States	35	...	...	640	...	2.4
	United Kingdom	211	...	...	789	...	...
	Holland	...	...	...	2	...	...
	Germany	...	...	...	52	...	...
Wire for rope	United States	397	...	...	5,752	...	4.3
	United Kingdom	712	...	...	8,853	...	...
Wire -							
For corset laces, steels, etc.	United States	15	...	...	84	...	...
	United Kingdom	1	...	...	8	...	...
For spring mattress, etc.	United States	247	...	...	2,295	...	...
	United Kingdom	...	...	...	18	...	...
For fencing, galvanized	United States	39	...	...	141	...	...
Wire cloth and netting	United States	26	...	1.1	641	4	8.9
	United Kingdom	17	...	...	381	...	...
Wire, coated	United States	27	...	...	501	...	...
	United Kingdom	73	...	...	80	...	...
Wire, all other	United States	359	...	2.9	3,324	19	36.7
	United Kingdom	54	...	...	104	...	...
	Germany	5	1	...	10	1	...
	Sweden	...	...	...	2	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	...	...	...	421	...	...
	Germany	...	...	...	167	...	...
	Sweden	26	...	...	49	...	...
	France	...	...	...	433	...	...
	United Kingdom	280	...	...	561	...	...
	Belgium	252	...	...	1,508	...	...
Welding wire and welding rods	United States	30	12	15.6	483	162	92.6
	Sweden	...	...	...	4	...	...
Castings -							
For agricultural implements	United States	219	...	...	1,741	...	...
For ingot moulds	United States	1,690	...	...	17,103	...	...
	United Kingdom	492	...	...	572	...	...
Malleable	United States	38	...	...	389	...	...
Non-malleable	United States	203	...	...	1,821	...	...
Steel	United States	89	9	...	545	139	1.7
	Norway	...	...	...	91	...	7.0
	United Kingdom	...	...	...	1	...	...
For railway vehicles	United States	...	...	...	209	...	...
Rolls	United States	124	12	...	1,794	504	...
	United Kingdom	7	...	...	47	177	...
Piston rings (rough)	United States	41	...	...	284	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1950 and Year to Date (Concluded)

Commodity	Country of origin	November			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	United States	122	31	...	1,005	311	.2
	United Kingdom	125	100	...	1,013	964	6.5
Axles - For railway vehicles	United States	...	...	...	80	...	...
Wheels - For railway rolling stock ..	United States	6	...	...	299	...	...
	United Kingdom	2,431	...	...	7,232	...	...
Tires -							
For railway rolling stock	United States	24	...	...	485	...	...
	United Kingdom	1,812	...	...	5,381	...	...
Rails -							
60 lb. and under	Belgium	187	...	...	820	...	...
	United States	13	...	...	148	...	...
Over 60 lb. and including 100 lb. .	United States	6	...	...	813	...	...
	United Kingdom	1,166	...	...	15,309	...	...
Over 100 lb.	United States	25	...	...	101	...	...
	Belgium	...	...	...	37	...	...
Grooved for electric tramways	United States	242	...	...	389	...	...
Track material -							
Angles, bars, tie plates, rail joints	Belgium	7	...	...	38	...	...
	United States	105	...	...	1,194	...	...
	United Kingdom	466	...	...	2,228	...	...
Intersections, switches, frogs	United States	2	...	...	9	...	...
Total Imports	United States	67,398	3,178	521.0	717,262	33,968	6,276.6
	All other	61,997	450	110.1	289,658	3,828	968.0
TOTAL		129,395	3,628	631.1	1,006,920	37,796	7,244.6

Table 15 - Exports of Primary Iron and Steel, November, 1950 and Year to Date

	November	Year to date
	(Tons of 2,000 pounds)	
Pig iron	18,441	179,583
Ingots, blooms and billets	22,086	147,384
Bars	765	12,672
Rods	50	296
Plates, sheets and strips	2,534	26,184
Rails .....	...	12,073
Structural shapes	497	2,130
Pipe and tubing - Wrought iron	9	436
Cast iron	56	1,226
Galvanized	860	5,779
Other	75	496
Castings, iron and steel	2,285	13,495
Forgings	62	653



DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
OTTAWA

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28
Vol. 5-No. 12

Price 25 cents

PRIMARY IRON AND STEEL

DECEMBER - 1950

Pig iron - Production of pig iron in Canada amounted to 198,169 tons in December compared with 172,002 tons in the corresponding month of last year. The total for the current month included 149,387 tons of basic iron, 20,916 tons of foundry iron and 27,866 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in December amounted to 15,341 tons compared with 16,920 tons in the previous month and with 11,853 tons in December of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during December totalled 291,242 tons compared with 263,949 tons in December of last year. Output in the month under review included 281,474 tons of ingots and 9,768 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During November and December, 1950

	November			December		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron -</u>						
Basic	128,508	20,962	149,470	144,350	5,037	149,387
Foundry	205	22,993	23,198	350	20,566	20,916
Malleable .....	...	35,633	35,633	...	27,866	27,866
Total Pig Iron	128,713	79,588	208,301	144,700	53,469	198,169
<u>Ferro-alloys -</u> .....	...	16,920	16,920	...	15,341	15,341

Table 2 - Cumulative Production for the Twelve Months Ended December, 1949 and 1950

	1949			1950		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig iron -</u>						
Basic	1,725,392	64,831	1,790,223	1,673,878	89,562	1,763,440
Foundry	7,525	207,971	215,496	4,079	226,795	230,874
Malleable .....	...	148,633	148,633	1,364	314,054	315,418
Total Pig Iron	1,732,917	421,435	2,154,352	1,679,321	630,411	2,309,732
<u>Ferro-alloys -</u> .....	...	211,603	211,603	...	181,575	181,575

Table 3 - Iron Blast Furnace Charges During November and December, 1950 and Twelve Months Ended December, 1950

	November	December	Twelve months ended December
	(Net tons of 2,000 pounds)		
Iron ore	366,211	345,877	4,121,525
Mill cinder, scale, sinter, etc. ..	45,061	41,461	444,411
Limestone	77,443	74,092	863,316
Dolomite	12,538	12,506	148,261
Coke	191,745	185,620	2,141,309
Scrap iron and steel	7,646	6,939	91,133

NOTE:- This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at end of December, 1950

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	12	2,420,950	88
Banked .....	...	...	...
Blown out	2	324,050	12
Total	14	2,745,000	100

(b) Steel Ingots and Steel Castings

Table 6 - Production During November and December, 1950

	November			December		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - basic	227,570	9,814	237,384	227,080	14,284	241,364
Electric	37,776	4,594	42,370	36,539	3,571	40,110
Total Steel Ingots ...	265,346	14,408	279,754	263,619	17,855	281,474
Alloy steel ingots included in above	18,537	...	18,537	15,147	...	15,147
<u>Steel Castings</u>						
Open hearth - basic	188	2,828	3,016	141	2,746	2,887
Converter	4	16	20	...	19	19
Electric	784	5,914	6,698	1,214	5,648	6,862
Total Steel Castings..	976	8,758	9,734	1,355	8,413	9,768
Alloy steel castings included in above	420	1,283	1,703	657	1,148	1,805
TOTAL INGOTS AND CASTINGS	266,322	23,166	289,488	264,974	26,268	291,242

Table 7 - Cumulative Production for the Twelve Months Ended December, 1949 and 1950

	1949			1950		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - basic	2,574,462	118,025	2,692,487	2,615,421	156,418	2,771,839
Electric	378,959	17,922	396,881	452,206	74,023	526,229
Total Steel Ingots ...	2,953,421	135,947	3,089,368	3,067,627	230,441	3,298,068
Alloy steel ingots included in above	143,977	...	143,977	192,025	...	192,025
<u>Steel Castings</u>						
Open hearth - basic	2,184	27,670	29,854	2,003	20,535	22,538
Converter	24	57	81	15	186	201
Electric	13,688	53,939	67,627	13,752	49,572	63,324
Total Steel Castings..	15,896	81,666	97,562	15,770	70,293	86,063
Alloy steel castings included in above	5,762	10,367	16,129	7,231	11,564	18,795
TOTAL INGOTS AND CASTINGS	2,969,317	217,613	3,186,930	3,083,397	300,734	3,384,131

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Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During November and December and Twelve Months Ended December, 1950

	November	December	Twelve months ended December
	(Net tons of 2,000 pounds)		
Pig iron	143,244	145,571	1,685,935
Scrap - Own make	87,282	82,942	983,339
Purchased	85,193	87,687	980,104

Table 9 - Steel Furnace Capacity at end of December, 1950

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings ...	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1949 and 1950

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
December	172,002	11,853	257,883	6,066	263,949
Total	2,154,352	211,603	3,089,368	97,562	3,186,930
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	181,575	3,298,068	86,063	3,384,131

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 250,255 net tons in December, 1950 compared with 255,644 tons in November, 1950. The December shipments included 22,462 tons of semi-finished shapes, 13,644 tons of structurals, 10,557 tons of plates, 15,456 tons of rails, 7,981 tons of tie plates and track material, 49,054 tons of hot rolled bars, 21,740 tons of pipes and tubes, 26,360 tons of wire rods, 21,436 tons of black sheets, 7,943 tons of galvanized sheets, 9,581 tons of castings, and 14,665 tons of other rolled products. The amount of producers' interchange was 107,222 tons in December as against 125,501 tons in November, 1950.

Of the amounts shipped for sale during December, 40,374 tons went direct to railways and railway car shops; 13,004 tons went to pressing, forming and stamping plants; 30,918 tons to merchant trade products; 30,847 tons to building construction; 20,190 tons to the containers industry; 12,887 tons to agricultural equipment; 19,577 tons to the automotive industry; 10,238 tons to machinery plants; 1,405 tons to shipbuilding; 11,780 tons to mining, lumbering, etc., and 1,196 tons to miscellaneous industries; wholesalers and warehousing accounted for 27,983 tons, and exports for 28,488 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 107,222 tons in December, 1950.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, December, 1950

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	13,121	5,825	5,594
Other semi-finished shapes, not for re-rolling by makers	49,711	22,462	31,604
Structural shapes and piling	13,019	13,644	...
Plates	9,095	10,013	...
Rails	13,750	15,456	...
Tie plates and track material: Splice bars ...	590	505	...
Tie plates	5,685	6,546	...
Spikes	932	930	...
Concrete reinforcing bars	7,404	9,096	...
Hot rolled bars for cold finishing	968	...	1,000
Other hot rolled bars	45,476	40,870	7,982
Pipes and tubes	20,438	21,740	...
Wire rods	26,542	26,294	76
Hot rolled black sheets	43,724	8,232	35,456
Cold reduced black sheets	18,471	13,204	4,972
Galvanized sheets	7,645	7,943	...
Steel castings	7,892	7,714	...
Miscellaneous hot rolled products	26,211	5,238	20,538
All other products	24,469	22,502	...
Total - Carbon Steel	335,143	238,214	107,222
<u>Alloy Steel</u>			
Billets, etc., for forging	1,264	700	...
Other semi-finished shapes, not for re-rolling by makers .....	...	...	...
Structural shapes and piling .....	...	...	...
Plates	527	544	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,585	8,184	...
Pipes and tubes .....	...	...	...
Wire rods	67	66	...
Steel castings	1,912	1,867	...
Miscellaneous hot rolled products	238	331	...
All other products	341	349	...
Total - Alloy Steel	10,934	12,041	...

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Twelve Months Ended December, 1950

	December, 1950 P r o d u c t i o n (Including producers' interchange)	S h i p m e n t s For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	152,750	58,577	91,023
Other semi-finished shapes, not for re-rolling by makers	486,523	136,973	342,438
Structural shapes and piling	158,016	146,094	...
Plates	152,605	154,924	27
Rails	286,672	288,677	...
Tie plates and track material - Splice bars ..	15,631	16,168	...
Tie plates ...	50,614	50,645	...
Spikes	16,617	16,846	...
Concrete reinforcing bars	90,950	93,883	...
Hot rolled bars for cold finishing	13,132	...	13,123
Other hot rolled bars	495,716	417,868	79,029
Pipes and tubes	245,593	244,400	13
Wire rods	288,989	289,006	1,116
Hot rolled black sheets	674,784	146,457	529,700
Cold reduced black sheets	190,644	158,352	34,607
Galvanized sheets	99,130	98,872	...
Steel castings	65,057	60,303	...
Miscellaneous hot rolled products	354,349	49,642	302,924
All other products	279,391	276,005	266
Total - Carbon Steel	4,117,163	2,703,692	1,394,266
<u>Alloy Steel</u>			
Billets, etc., for forging	12,110	11,161	...
Other semi-finished shapes, not for re-rolling by makers	5,721	...	5,721
Structural shapes and piling .....	...	...	...
Plates	2,697	2,549	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	90,636	89,504	417
Pipes and tubes .....	...	...	...
Wire rods	874	865	...
Steel castings	20,531	19,550	...
Miscellaneous hot rolled products	2,416	2,602	...
All other products	2,874	2,949	...
Total - Alloy Steel	137,859	129,180	6,138

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, December and Year 1950

	D e c e m b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	12,443	7,134	118,504	81,593
Agricultural, including farm machinery .	12,719	168	129,398	1,183
Building construction	30,775	72	356,908	718
Containers industry	20,187	3	261,947	66
Machinery and tools	9,498	740	108,308	8,605
Merchant trade products	30,594	324	354,563	3,558
Mining, lumbering, etc.	10,675	1,105	123,724	8,583
National defence	295	20	3,580	133
Pressing, forming and stamping	12,862	142	185,840	1,231
Public works and utilities	1,004	49	13,246	490
Railway operating	28,160	100	427,907	1,928
Railway cars and locomotives	11,615	499	68,897	1,943
Shipbuilding	1,396	9	22,731	323
Miscellaneous and unclassified	992	204	12,372	1,612
Wholesalers and warehouses	27,842	141	312,595	1,575

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, December and Year 1950 (Concluded)

	D e c e m b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Direct export (a) to British Empire	106	239	11,449	691
(b) to other countries ...	27,051	1,092	191,723	14,948
Total Shipped for Sale	238,214	12,041	2,703,692	129,180
Producers' interchange	107,222	...	1,394,266	6,140

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year 1950

Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	Germany	112	...	...	12,766	...	...
	Netherlands	...	...	...	56	...	...
	United States	...	...	...	201	...	...
	United Kingdom	...	...	...	2,856	...	...
	Union of S.Africa	...	...	...	112	...	...
Foundry	United States	...	...	...	268	...	...
	United Kingdom	...	...	...	2,923	...	...
	Germany	...	...	...	7,392	...	...
Malleable	United States	...	...	...	2,575	...	...
Charcoal	United Kingdom	...	...	...	112	...	...
	Sweden	...	...	...	168	...	...
Special	United States	...	...	...	1,131	...	...
Ingots	United States	1,827	...	...	7,878	237	1.4
Billets, blooms, slabs and sheet bars.	United States	167	...	...	410	146	...
	Belgium	...	...	...	112	...	...
Tube rounds and tube billets	United States	812	...	...	2,589	...	...
Bars and sections -							
Hot rolled, n.o.p.	Japan	...	...	...	28	...	...
	United States	3,153	155	1.6	30,706	1,934	114.7
	United Kingdom	556	20	8.5	4,622	143	116.3
	Belgium	484	...	...	7,526	...	...
	Sweden	...	...	...	15	...	...
	France	10	...	...	71	...	...
	Germany	...	...	...	56	...	...
	Bahamas	...	...	...	194	...	...
Hot rolled -							
For agricultural implements	United States	1,397	3	...	7,510	15	...
	United Kingdom	21	...	...	209	...	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4" ..	United States	27	8	...	767	90	1.2
	United Kingdom	9	2	...	530	87	24.7
Angles, channels, etc.	United States	168	...	9.9	2,107	2	42.8
	Germany	...	...	...	11	...	...
	Belgium	318	...	...	2,631	...	...
	United Kingdom	188	...	3.3	1,491	...	8.9
	France	164	...	...	203	...	...
Structurals (bar sizes) for agri- cultural implements	United States	607	...	...	2,750	...	...
	United Kingdom	...	...	...	33	...	...
Sash or casement sections	United States	257	...	...	1,818	...	...
	Belgium	...	...	...	78	...	...
	United Kingdom	12	...	...	101	...	...
Cold rolled, n.o.p.	United States	348	24	11.5	4,370	201	52.4
	United Kingdom	422	...	3.4	3,164	1	28.7
	Germany	1	...
	Belgium	1

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Table 14 - Imports of Primary Forms of Iron and Steel, December and Year 1950 (Continued)

Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (concluded)							
Cold rolled, for agricultural implements							
	United States	194	...	...	5,122	126	...
	United Kingdom	37	...	...	37	...	...
Tool steel							
	United States	9	80	...	116	478	...
	United Kingdom	23	31	...	1,124	468	...
	Austria	...	...	...	2	...	...
	Sweden	...	5	...	1	5	...
	Germany	8	...	...	8	...	...
Structurals							
	United States	8,649	...	1.1	124,516	...	6.3
	United Kingdom	2,685	...	...	10,830	...	...
	Belgium	1,671	...	...	19,382	...	...
	France	225	...	...	779	...	...
	Germany	12	...	...	12	...	...
Plates -							
78" and under in width							
	United States	1,770	5	23.5	20,223	67	312.0
	United Kingdom	3,854	...	34.5	27,010	4	188.9
	Belgium	316	...	...	2,846	...	...
	Germany	...	...	...	88	...	...
	France	220	...	...	944	...	...
Over 78" and under 100" in width ...							
	United States	723	...	5.2	12,982	283	45.7
	United Kingdom	2,141	...	...	24,257	5	.3
	France	...	...	...	25	...	...
100" in width and over							
	United States	391	...	2.1	3,632	...	106.9
	United Kingdom	288	...	...	591	...	10.9
	France	...	...	...	25	...	...
Flanged, dished or curved							
	United States	132	...	...	1,349	...	23.9
Boiler, pulp-mill digesters							
	United States	628	...	...	4,466	...	28.8
	United Kingdom	774	...	...	1,855	...	...
Chequered or surface pattern							
	United States	428	...	...	4,583	...	...
	United Kingdom	342	...	...	803	...	...
	Belgium	21	...	...	21	...	...
Painted							
	United States	...	...	...	36	...	...
For saws							
	United States	...	...	...	2	5	...
Sheets -							
Silicon .075 or more							
	United States	...	1,789	...	...	22,126	...
	United Kingdom	...	221	...	...	2,021	...
Galvanized							
	United States	856	...	...	10,066	...	...
	United Kingdom	846	...	...	10,047	...	...
Hot rolled -							
18 gauge and heavier							
	United States	4,009	1	7.2	59,011	25	268.5
	Germany	31	...	...	784	...	...
	France	456	...	...	742	...	...
	Belgium	902	...	...	9,324	...	...
	United Kingdom	659	...	70.8	3,742	...	541.4
	Sweden	1	...	...	9	...	...
Lighter than 18 gauge							
	United States	241	...	...	2,600	4	181.8
	United Kingdom	128	...	1.6	2,082	1	27.1
	Belgium	126	...	...	699	...	...
	France	276	...	...	276	...	...
For hollow ware (vitreous enamel).							
	United States	120	...	...	1,554	...	...
	United Kingdom	53	...	...	72	...	...
Corrugated							
	United States	74	...	...	3,678	...	...
	United Kingdom	66	...	...	322	...	...
Coated with paint, tar, asphaltum, etc.							
	United Kingdom	...	...	...	16	...	...
	United States	15	...	...	2,203	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year 1950 (Continued)

Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Hot rolled -							
For saws	United States	7	47	...	149	613	...
	United Kingdom	...	3	...	...	22	...
For cold rolled strip	United States	214	...	...	629	...	...
	United Kingdom	...	...	...	11	...	...
Shaped for agricultural implements	United States	119	...	...	1,346	65	...
	United Kingdom	70	...	...	422	...	...
For tubes	United States	...	...	...	589	...	...
Cold rolled -							
18 gauge and heavier	United States	1,834	...	57.4	10,638	...	1,475.9
	United Kingdom	313	...	...	1,074	...	17.2
Lighter than 18 gauge	United States	2,761	...	119.9	28,910	...	1,492.4
	United Kingdom	215	...	5.8	1,375	...	37.3
	France	22	...	...	22	...	...
For hollow ware (vitreous enamel).	United States	836	...	...	10,112	...	...
	United Kingdom	74	...	...	1,344	...	...
Black plate - Tin mill	United States	63	...	...	331	...	...
Coated with paint, tar, asphaltum, etc.	United States	92	...	...	393	...	...
For heating apparatus	United States	...	...	...	170	...	...
For saws	Sweden	...	...	...	...	11	...
	United States	...	1	...	1	21	...
For tubes	United States	194	...	...	5,462	...	...
	Belgium	110	...	...	110	...	...
For butt hinges	United States	...	...	...	39	...	...
Tin plate--Primes	United States	...	...	...	658	...	...
	United Kingdom	3	...	...	335	...	...
Electrolytic (25#)	United States	...	...	...	229	...	...
Electrolytic (75#)	United States	...	...	...	21	...	...
Terne plate--Long	United States	466	...	...	5,396	...	...
	United Kingdom	1	...	...	10	...	...
Short	United States	134	...	...	1,826	...	...
	United Kingdom	...	...	...	9	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	Sweden	...	...	...	...	...	2.5
	France	...	...	...	110	...	...
	United States	1,137	205	.2	11,642	806	55.3
	Belgium	105	...	...	1,362	...	...
	United Kingdom	19	...	...	2,113	5	11.5
Lighter than 18 gauge	United States	159	...	...	1,511	...	159.9
	United Kingdom	...	...	...	25	...	...
	Belgium	...	...	...	2	...	...
For cold rolling	United States	156	...	...	2,079	...	...
	United Kingdom	...	...	...	155	...	...
Painted	United States	211	...	...	4,305	...	...
	United Kingdom	...	...	...	11	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	167	...	...	1,230	...	...
For saws	United States	9	34	...	109	644	...
	United Kingdom	...	...	...	1	14	...
	Sweden	...	...	...	...	2	...
For motor vehicles	United States	1,600	...	...	18,006	30	...
For hoops	United States	...	...	...	868	...	...
	United Kingdom	91	...	...	744	...	...
For tubular products	United States	...	...	...	182	...	...
For tubes	United States	...	...	...	127	...	...
For butt hinges	United States	...	...	...	4	...	...
Silicon .075 or more	United States	...	392	...	...	3,963	...
	United Kingdom	...	...	...	...	22	...

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year 1950 (Continued)

Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (concluded)							
Cold rolled -							
18 gauge and heavier	United Kingdom	18	...	...	345	...	.1
	United States	204	4	64.4	3,059	60	384.3
	Belgium	...	...	...	19	...	...
	Sweden	...	...	...	...	...	.2
Lighter than 18 gauge	United States	458	2	142.1	4,817	13	1,562.1
	Sweden	5	8	...	234	8	...
	United Kingdom	40	...	...	520	...	1.0
	Australia	3	...	...	3	...	...
Painted	United States	234	...	...	2,802	...	...
	Germany	1	...	...	35	...	...
	United Kingdom	...	...	...	10	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	32	...	...	392	...	...
	United Kingdom	3	...	...	61	...	...
For saws	United States	...	38	...	...	124	...
	Sweden	...	2	...	...	59	...
For tubes	United States	284	...	...	3,272	...	.3
For tubular products	United States	73	...	...	1,202	...	.1
For butt hinges	United States	141	...	...	911	...	...
Silicon .075 or more	United States	...	...	...	...	758	...
For hoops	United States	...	...	...	57	...	...
Galvanized strip	United States	419	...	...	6,313	...	...
	United Kingdom	53	...	...	161	...	...
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	3,996	...	...	100,929	...	...
	United Kingdom	1,505	...	...	23,057	...	...
	Belgium	1,480	...	...	26,981	...	...
	France	198	...	...	198	...	...
Over 15 $\frac{3}{8}$ " in width	United States	560	...	...	11,317	...	...
Plate for pipe	United States	451	...	...	1,418	...	...
Pipes and tubes -							
Cast	United States	33	...	...	1,544	...	.2
	United Kingdom	66	...	...	10,680	...	...
Bedstead	United States	35	...	...	333	...	...
	Sweden	...	...	...	8	...	...
Repair of pressure parts of boilers-							
Hot finished	United States	247	1	.9	3,402	235	2.6
	United Kingdom	128	...	...	1,088	...	...
Cold drawn	United States	111	11	...	1,349	71	1.9
	United Kingdom	76	...	...	330	...	...
Welded	United States	...	...	...	550	...	2.7
Seamless, 12" and under in diameter-							
Cold drawn	United States	304	41	28.5	4,213	231	194.0
	United Kingdom	168	21	23.1	868	31	88.5
	Sweden	...	...	...	4	...	...
Hot finished	United States	258	267	...	3,990	2,499	.3
	United Kingdom	631	...	...	6,997	...	...
	Sweden	...	...	...	81	89	...
Seamless, over 12" in diameter -							
Hot finished	United States	166	...	...	2,166	52	28.1
	United Kingdom	...	...	...	8,120	...	...
Welded, 4" and under in diameter ...	United States	278	...	.3	5,963	2	26.1
	United Kingdom	781	...	...	7,299	...	...
	Belgium	...	...	...	414	...	...
	Czechoslovakia	...	...	...	25	...	...
	Germany	...	...	...	53	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year 1950 (Continued)

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year 1920 (continued)							
Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes - (concluded)							
Welded, over 4" in diameter	United States	90	...	...	99,608	11	2.8
	United Kingdom	...	...	...	1,071	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	28	...	...	434	...	...
Spiral welded	United States	183	...	...	3,428	...	...
Casings	United States	2,081	...	...	27,972	...	...
	Germany	...	...	...	260	...	...
	United Kingdom	1,365	...	...	5,414	...	...
Fittings and couplings	United States	254	...	2.3	2,945	...	32.5
	United Kingdom	8	...	...	35	...	...
	Germany	4	...	...	59	...	...
Wire rope	United States	33	...	.1	673	...	2.5
	United Kingdom	146	...	...	935	...	...
	Germany	...	...	...	52	...	...
	Holland	...	...	...	2	...	...
Wire for rope	United States	504	...	...	6,256	...	4.3
	United Kingdom	791	...	...	9,644	...	...
Wire -							
For corset laces, steels, etc.	United States	10	...	...	94	...	...
	United Kingdom	1	...	...	9	...	...
For spring mattress, etc.	United States	189	...	...	2,484	...	...
	United Kingdom	11	...	...	29	...	...
For fencing, galvanized	United States	...	...	...	141	...	...
Wire cloth and netting	United States	32	...	...	673	4	8.9
	United Kingdom	24	...	...	405	...	...
Wire, coated	United States	66	...	...	567	...	...
	United Kingdom	11	...	...	91	...	...
Wire, all other	United States	385	...	3.4	3,709	19	40.1
	United Kingdom	11	...	...	115	...	...
	Germany	...	...	...	10	1	...
	Sweden	...	...	...	2	...	...
Wire rods, not over 3/8" in diameter ...	United States	...	...	...	421	...	...
	Germany	112	...	...	279	...	...
	Sweden	...	...	...	49	...	...
	France	...	...	...	433	...	...
	Belgium	48	...	...	1,556	...	...
	United Kingdom	...	...	...	561	...	...
Welding wire and welding rods	United States	22	8	5.2	505	170	97.8
	Sweden	...	...	...	4	...	...
Castings -							
For agricultural implements	United States	236	...	...	1,977	...	...
For ingot moulds	United States	1,264	...	...	18,367	...	...
	United Kingdom	...	...	...	572	...	...
Malleable	United States	30	...	...	419	...	...
Non-malleable	United States	136	...	...	1,957	...	...
	United Kingdom	1	...	...	1	...	...
Steel	United States	97	19	...	642	158	1.7
	Norway	...	...	...	91	...	7.0
	United Kingdom	...	...	...	1	...	...
For railway vehicles	United States	...	...	...	209	...	...
Rolls	United States	227	95	...	2,021	599	...
	United Kingdom	5	...	...	52	177	...
Piston rings (rough)	United States	15	...	...	299	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year 1950 (Concluded)

Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	United States	76	15	...	1,081	326	.2
	United Kingdom	30	29	...	1,043	993	6.5
Axles - For railway vehicles	United States	...	...	...	80	...	...
Wheels - For railway rolling stock ...	United States	12	...	...	311	...	...
	United Kingdom	1,136	...	...	8,368	...	...
Tires -							
For railway rolling stock	United States	8	...	...	493	...	...
	United Kingdom	1,007	46	...	6,388	46	...
Rails -							
60 lb. and under	Belgium	...	...	...	820	...	...
	United States	2	...	...	150	...	...
	Germany	225	...	...	225	...	...
Over 60 lb. and including 100 lb. ..	United States	6	...	...	819	...	...
	United Kingdom	...	...	...	15,309	...	...
Over 100 lb.	United States	25	...	...	126	...	...
	Belgium	...	...	...	37	...	...
Grooved for electric tramways	United States	...	...	...	389	...	...
Track material -							
Angles, bars, tie plates, rail joints	Belgium	...	...	...	38	...	...
	United States	30	...	...	1,224	...	...
	United Kingdom	194	...	...	2,422	...	...
	Germany	12	...	...	12	...	...
Intersections, switches, frogs	United States	8	...	...	102	...	...
Total Imports	United States	51,494	3,245	486.8	768,756	37,213	6,763.4
	All other	29,778	388	151.0	319,436	4,216	1,119.0
TOTAL		81,272	3,633	637.8	1,088,192	41,429	7,882.4

Table 15 - Exports of Primary Iron and Steel, December and Year 1950

	December	Year to date
(Tons of 2,000 pounds)		
Pig iron	14,945	194,528
Ingots, blooms and billets	23,076	170,460
Bars	2,647	15,319
Rods .....	...	296
Plates, sheets and strips	2,982	29,166
Rails	318	12,391
Structural shapes	61	2,191
Pipe and tubing - Wrought iron	103	539
Cast iron	140	1,366
Galvanized	76	5,855
Other	154	650
Castings, iron and steel	1,329	14,824
Forgings	68	721
Total	45,899	448,306

